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(54) AUTOMATIC COMPUTER WHOLESALE AUCTION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To rationalize the wholesale transaction of fresh and perishable goods and to simplify the direct shipment between producing district and cosuming district in a physical distribution by developing an automatic computer auction system by a futuer transaction.

SOLUTION: A shipper transmits standard details such as the shipment scheduled date, the brand and the reference price, etc., for every item from a terminal equipment to a host computer. The host computer collects the individual information for every standard and classifies the information according to a reference price band and a shipment scheduled date, then classifies and extracts each brand into the set groups according to the same item, the standard and the same arrival date and collects them into adequate quantity assembling for every item. A purchaser knows necessary information by the terminal equipment and transmits the necessary ratio of the selective designation of the brand to the reference price and purchase expected quantity for every brand group of the same item, the standard and the arrival date to the host computer. After the bidding is closed, the automatic computer processing based on the fixed priority is performed, and successful bidder, contract price and contract quantiy are determined for every item.

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CLAIMS

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[Claim(s)]

[Claim 1] In wholesale dealings of fresh goods and life goods a sender A means to transmit from a terminal what listed the specification detail corresponding to shipping time, a brand, quality (or grade), and a 1-bale close number (or capacity) which contains the base price corresponding to a hierarchy rank to a list for every item to a system host's computer, After classifying according to the day of a shipment schedule the base price band exception which gathered and hierarchized the individual information which is sent from the above-mentioned terminal side, and which was subdivided for every specification on the multistage story, the above-mentioned system host's computer A means to perform the optimum dose-sized collection for every item which carries out computer processing which carries out a classification extract, and is suitable for price formation by the automatic \*\*\*\* auction by communication link into the ensemble who gathered each brand according to the same items, specification, and the same arrival-of-goods day, A purchaser side takes in required information to a terminal out of the above-mentioned information shown by the above-mentioned system host side. A means to transmit the quantity wishing purchase to the above-mentioned system host's computer at the rate of necessity to selection assignment and the base price of a brand, and a list for every brand group of the same items, specification, and an arrival-of-goods day, In the bid deadline of a purchase application, by the above-mentioned system host's computer Automatic computer processing by convention of fixed priority, such as the order of a high price of the bid price in consideration of the above-mentioned rate of necessity, the order of quantity macrostomia, and the order of arrival, is performed. Determine a successful tenderer, a contract price, and successful bid quantity for every item, and a means to notify the decision result according to the telecommunications access from a sender side and a purchase proposer side is provided. The automatic \*\*\*\* wholesale auction system characterized by excluding evaluation by the thing observation by the side of a purchaser, and performing automatic \*\*\*\* auction by forward communication link bid.

[Claim 2] It is the automatic \*\*\*\* wholesale auction system characterized by performing automatic computer processing by the order of a high price when the bid price which has a means to determine the minimum selling price [ on an automatic \*\*\*\* wholesale auction system according to claim 1 and as opposed to a base price in the above-mentioned system host's computer ], and took into consideration the above-mentioned rate of necessity exceeds the above-mentioned minimum selling price.

[Claim 3] It is the automatic \*\*\*\* wholesale auction system characterized by determining the above-mentioned minimum selling price by the ratio to a base price in an automatic \*\*\*\* wholesale auction system according to claim 2.

[Claim 4] It is the automatic \*\*\*\* wholesale auction system characterized by the above-mentioned ratio being fixed by the above-mentioned system host's computer in an automatic \*\*\*\* wholesale auction system according to claim 3.

[Claim 5] It is the automatic \*\*\*\* wholesale auction system characterized by being transmitted above the minimum number to which the quantity wishing purchase was beforehand set when the above-mentioned rate of necessity was one or less in an automatic \*\*\*\* wholesale auction system according to

claim 1.

[Claim 6] The above-mentioned system host's computer is an automatic \*\*\*\* wholesale auction system characterized by giving priority to a macrostomia proposer and considering as a successful tenderer when the above-mentioned rate of necessity is a rate of said in an automatic \*\*\*\* wholesale auction system according to claim 1.

[Claim 7] It is the automatic \*\*\*\* wholesale auction system characterized by considering as the bid price of the purchaser to whom the above-mentioned rate of necessity carried out the input in the automatic \*\*\*\* wholesale auction system according to claim 1 by the high special buying price beforehand decided by the rate tenderer of necessity of the high end not a numeric value but when inputted.

[Claim 8] The automatic \*\*\*\* wholesale auction system characterized by the ability not to transmit if the purchase highest-limit price which the purchaser set up beforehand is exceeded in an automatic \*\*\*\* wholesale auction system according to claim 1.

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DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the automatic \*\*\*\* wholesale auction system by the futures communication link bid of fresh and life goods which realizes the PD of individual direct delivery from a place of production to a consumer place.

[0002]

[Description of the Prior Art] A 3 \*\* side is carried, after gathering on schedule and observing the actual thing, conventionally, it is the handling by the wholesale market with which every place are dotted which accomplishes size \*\* of circulation of wholesale dealings of fresh and life goods, and this dealt with only the actual thing in principle, the sender shipped goods so that it might do on schedule [ of auction time ], the commercial-scene side listed this, and usually participated in \*\*\*\*\*.

[0003] In this case, fresh and life goods, such as a fresh fish, garden stuff, live fish, and a flowering plant The so-called natural thing which carries out capture harvest from a nature is also produced in a farm, a culture pond, etc. Since it is easy to be influenced of natural conditions, such as the weather and disaster, unevenness also produces the cultivation culture thing to increase in quality. A grade is divided into many hierarchies. As the method of presentation of this versatility The elegance according to individual appointment, A producer union sorting (so-called \*\*\*\*) article is not asked. For example, \*\*, A, good and C, or a best, 1 grade, 2 grade and 3 grades, \*\*\*\*\* -- only a being [ it / abstract ] and comparison theory-partition accepts as an independent display by the side of a producer conventionally - - having -- \*\*\*\* -- it was only in the situation that it does not pass but grade grading as an objective absolute value can therefore be given after all to the contract price of the \*\*\*\* result based on thing observation evaluation in a purchaser's wholesale market.

[0004]

[Problem(s) to be Solved by the Invention] As a result of huge industrialization of retail trade business progressing, suburban place-along-the-route type multi-store expansion of a large-scale mass-marketing retail store etc. in automobile mold society however, in fresh and life goods The charge of one company grows large centering on perishable foods, such as garden stuff and a fresh fish, above all. Futures trading occurs as a matter of fact, and, now, this routinizes reservation of the amount of hope, negotiated transaction-ization of a price, etc. in order to secure the small-sum package in a company, and PD conveyance time amount as a result of the increase of the voice as a customer in the wholesale circulation field -- already -- the time -- dealings -- extensive -- It says that it has lapsed into the situation that indefinite nature is also latent in decision of a reasonable price instead of the condition that the fair price formation by the auction as an original wholesale spot market functions, and is not an overstatement.

[0005] Moreover, as a place-of-production situation, it is based on company rationalization competition of agriculture-and-forestry fishery production business, expansion of the scale of 1 company 1 commercialization progresses, and the level of significance by which management and profit are greatly influenced by the rise and fall of the market condition as a fresh article is increasing sharply.

[0006] For this reason, together with the complicated difficulty of PD allocation of cars, since the risk that support of a price is difficult is high, the large-scale-production person of single items does inclination shipment of the \*\*\*\* to a local small-scale commercial scene to the large-scale commercial scene of a big city, and the inclination to entrust sale in the environment of a stable market condition has been increasing remarkably.

[0007] Although it thinks that the need for large-scale stocking of the above-mentioned large-scale retail chain store etc. has the rationality which agrees with the hope by the side of the producer of this big city large-scale shipment apparently and is a victory, if the post of the large-sized PD from these large-sized shipment to large-sized purchase is taken, the following serious problems have occurred.

[0008] That is, also although it is called the large-scale commercial scene of a big city as a result of not only all the large-scale-production persons of a wide area but the producer of a minor scale wishing shipment in a big city large-scale commercial scene by the same reason and concentrating too much, it becomes an inclination used as a lot of intensive shipment which exceeded the consumer buying power of the quotient category of the original rational transportation cost range you to be Haruka. in order to dispose this of goods and to support a market condition -- a large-scale commercial scene -- everything but a large-sized retailer's members of purchase -- many jobbers -- intervening -- the local minor wholesale market (or macrostomia warehouse) etc. -- receiving -- dealings of a consignment-entrusted mold -- or the dealings which carry out transfer shipment by either of the \*\*\*\*\* attachment dealings have occurred.

[0009] Under the present circumstances, since the transfer time of a day is further added from a big city commercial scene to a long-distance partner, loss of the debasement by the increase of a transportation day is more nearly immense than that the freight burden of one step of addition in the meantime is added to an arrival cost, and it.

[0010] Furthermore, the goods with which a more serious problem than this is transmitted to a district from a big city commercial scene That from which what does not pass through auction listing in a big city commercial scene became the dealings via \*\*\*\* through presentation when nominal-cost sale attachment has been a principle after a commercial-scene side collects a sales commission, or a negotiated transaction Furthermore, since a transfer side will consider profit at the cost price also including a jobber's charge of treatment As a problem of a mutual profit and loss account of dealings between the local markets which receive goods in this with the jobber of a big city commercial scene, if it is nominal-cost purchase of a local market By turning on the local market side which cannot but sell this at auction again, if it is a big city jobber's commission shipment It will be forced the risk-bearing on the respectively very severe profit of the jobber who has a transfer fare and a commission to consignee collected. Moreover, high price selling orientation in the local market for avoiding these both damage serves as management pressure of the district retail store bought in from a local market, and the district consumer made to buy conversely the goods which are whenever [ fresh-keeping ] and fall fairly as compared with a big city at a comparatively high price results in receiving remarkable disadvantageous profit as compared with a big city consumer.

[0011] Moreover, if the purchase price of \*\*\*\* of the big city commercial scene used as the origin of \*\*\*\* dealings of such danger removes the items and season as a complementary as a result of considering slight lowness as it is low It always by the reasonable price which a large-scale-production person makes an aim conjointly also with the ambiguity of the price formation function stripped by prefetch of a large-scale retail company separated from the market condition in a big city commercial scene from the purpose of stable market reservation, and it has also generated the evil of low price inclination continuation.

[0012] All the origins of rise damage generating a district consumer's purchase price are based on existence of the multistage story dealings device in the whole distribution function as it depends and is disadvantageous to the above producers' market drop. namely, the case where it is specifically our country -- person -> agricultural cooperative association from individual life -> -- each -- the fixer of the hierarchy of 6 thru/or eight steps of length intervenes between a producer and a consumer as seen usually [ of an all-prefectures economy ream ->(furthermore or all agricultural cooperative association

reams) -> big city wholesale market -> \*\*\*\* -> district minor wholesale market ->(furthermore or wholesaler) -> retail store -> consumer ]. Although it is thought that concentration to a single stage is possible also for an agricultural cooperative association organization, concentration-ization to 1 thru/or about two steps of vertical hierarchies is the technical problem that between a wholesale market part, i.e., an agricultural cooperative association network organization, and retail stores is pressing.

[0013] A problem more serious than this, and serious furthermore, such a circulation situation based on [ present ] big city large-scale commercial scenes Uneconomical mixture transportation is caused for the intensive shipment in a big city large-scale commercial scene from the size place of production of a wide area. the whole country or the vessel from the place of production in the world, and the aircraft -- it calls at a truck above all -- very -- large-scale -- extensive -- contradiction -- to the east a west thing Have generated the east thing as the west and what has the actual PD which became complicated, and this by the case where it is our country About fresh and life goods, see from the urgency of transportation time amount and the large-sized diesel truck serves as a main transportation means altogether. Injury ringleader-situations, such as loss on national economy, such as loss on the economy generated by these useless PD, operation shortage of hands, the danger of a traffic accident, road delay, and an exhaust gas generating public nuisance, and emission of the public nuisance over the earth, have an unfathomable thing. Moreover, the PD to which the large-scale retailer major company carries out intensive stocking from a big city large-scale commercial scene, and carries out delivery in a company to many local retail stores as well as a commercial-scene transfer has a large problem on national economy and prevention of pollution similarly.

[0014] In traffic-related a private sector contractor and an administrative agency, although briskly cried about the switch (modal shift) of transportation on a vessel, a railroad, the aircraft, etc. from truck line In fresh and life goods which need many [ and ] short-time transportation quantitatively, the thing in which the shift conversion to another engine from present truck line is impossible occupies the mainstream also for many unsuitable things of fresh-keeping facility use, such as refrigeration, too as current technology and transportation business condition after all.

[0015] When considering the above, about fresh and life goods, it is only considered to be the way which solves evasion of damage of this producer and consumer, and the serious social problem by PD complication to carry out adjustment integration of the large-scale circulation dealings which avoid intensive shipment of whenever [ to a big city large-scale commercial scene / current excess ], and are vainly interwoven with each other.

[0016] Offer of the information on all circulation systems that the cause of fundamental of fresh and life goods focusing on whenever [ excess ] in a big city large-scale commercial scene included the market condition of all broader-based circulation, the shipment, etc. in the producer is because it is not carried out insufficiently very much.

[0017] In order that this invention might be made in view of the above-mentioned actual condition and may solve a social national fatal technical problem, While developing the automatic \*\*\*\* auction system by futures trading, aiming at reform by rationalization and computerization of fresh and life goods wholesale dealings and expecting the pull-up of a producer price and the reduction of consumer price by exclusion of the multistage story distribution system It aims at aiming at the direct delivery simplification between the place-of-production-consumer places of the PD, and offering the automatic \*\*\*\* wholesale auction system aiming at the profits increase on national economy and environmental preservation.

[0018]

[Means for Solving the Problem] The automatic \*\*\*\* wholesale auction system concerning this invention is set to wholesale dealings of fresh goods and life goods. A sender A means to transmit from a terminal what listed the specification detail corresponding to shipping time, a brand, quality (or grade), and a 1-bale close number (or capacity) which contains the base price corresponding to a hierarchy rank to a list for every item to a system host's computer, After classifying according to the day of a shipment schedule the base price band exception which gathered and hierarchized the individual information which is sent from the above-mentioned terminal side, and which was subdivided for every specification

on the multistage story, the above-mentioned system host's computer A means to perform the optimum dose-sized collection for every item which carries out computer processing which carries out a classification extract, and is suitable for price formation by the automatic \*\*\*\* auction by communication link into the ensemble who gathered each brand according to the same items, specification, and the same arrival-of-goods day, A purchaser side takes in required information to a terminal out of the above-mentioned information shown by the above-mentioned system host side. A means to transmit the quantity wishing purchase to the above-mentioned system host's computer at the rate of necessity to selection assignment and the base price of a brand, and a list for every brand group of the same items, specification, and an arrival-of-goods day, In the bid deadline of a purchase application, by the above-mentioned system host's computer Automatic computer processing by convention of fixed priority, such as the order of a high price of the bid price in consideration of the above-mentioned rate of necessity, the order of quantity macrostomia, and the order of arrival, is performed. It is characterized by determining a successful tenderer, a contract price, and successful bid quantity for every item, providing a means to notify the decision result according to the telecommunications access from a sender side and a purchase proposer side, excluding evaluation by the thing observation by the side of a purchaser, and performing automatic \*\*\*\* auction by forward communication link bid.

[0019]

[Function] In the wholesale market of fresh life goods, by performing futures trading by this system, the application of the proposal of shipment or a purchase bid is attained also about an arrival schedule article or a \*\*\*\*\* Japanese arrival schedule article only not only in arrival on the next day, consequently time difference processing can be introduced into shipment information, sale, and delivery on the day. Moreover, the time shift organization of information and the PD being established by the whole dealings, and avoiding upheaval of a market condition, for a sender side, while becoming the high selling organization of maintenance-of-prices top stability, and avoiding goods loss of putrefaction deterioration withering to death by overstock, or falling dead for a purchaser side and being able to carry out the optimum dose acquisition of the minimum required thing, the target thing can surely come to hand at the time of the target scheduled day.

[0020] furthermore, futures trading of fresh and life goods -- as a result -- the dealings first thing to do -- a law -- it becomes possible to turn a specific producer's thing to a specific purchaser, and to perform the PD according to individual to the inside of the good quality condition of freshness maintenance and \*\*\*\* on the relation which performs direct delivery from a place of production to a consumer place behind.

[0021]

[Embodiment of the Invention] Hereafter, 1 operation gestalt of this invention is explained with reference to a drawing. This invention consists of three networks of the circulation main-pipe person (a system host is called) who uses (1), for example, a circulation Van system, employs a host computer, and does control management of this system as it is fresh and the automatic \*\*\*\* wholesale auction system by the futures communication link bid of life goods and is shown in the flow chart of drawing 1, (2) goods producers or the sender who realizes the PD of individual direct delivery to a consumer place from a place of production, and (3) goods wholesale and retailer \*\*. Above-mentioned drawing 1 shows the flow of overall processing of the automatic \*\*\*\* wholesale auction system concerning 1 operation gestalt of this invention.

[0022] A goods producer or a sender joins this system, and transmits shipment information to a host computer through a communication device with a terminal, for example, the personal computer which stored processing programs, such as the processing program of this system, for example, shipment information dispatch processing, and successful bid information reception, in memory beforehand, or transmits shipment information to a system host side using facsimile, OCR, etc., and receives successful bid information from a host computer after that.

[0023] Goods wholesale and a retailer join this system, accesses a system host side through a communication device with a terminal, for example, the personal computer which stored processing

programs, such as the processing program of this system, for example, arrangement shipment information reception, bid registration information dispatch processing, and successful bid information reception, in memory beforehand, and performs processing about enquiry of goods information, dispatch of bid registration information, reception of successful bid information, etc.

[0024] The personal computer by the side of the above-mentioned goods producer or a sender (terminal) and the personal computer by the side of goods wholesale and a retailer (terminal) are constituted by a central processing unit (CPU), a keyboard, an indicating equipment, a printer, various internal memories, the hard disk drive unit, the floppy disk drive unit, the communication device, etc.

[0025] The computer by the side of a system host consists of a central processing unit (CPU), a keyboard, an indicating equipment, a printer, various internal memories, a hard disk drive unit, a floppy disk drive unit, a communication device, etc., and edits the shipment information from a goods producer or a sender according to the processing program of this system beforehand stored in memory, and performs successful bid computer processing according to enquiry of the goods information from goods wholesale and a retailer, a bid, etc., and as shown in drawing 16, it is constituted.

[0026] In drawing 16, 11 is a central processing unit (CPU) and modem 12a, 12b--, and the FAX adapter 13 and the OCR adapters 14a and 14b are connected to this central processing unit 11 through the controller for communications controls (not shown). Above-mentioned modem 12a and 12b-- are connected with the terminal by the side of purchasers, such as goods wholesale and a retailer, through a data telecommunication line at the terminal by the side of senders, such as a goods producer who has joined this system, and a list. FAX (facsimile) is connected to the above-mentioned FAX adapter 13, and OCR (optical reader) is connected to the OCR adapters 14a and 14b.

[0027] Moreover, the error message units 15a and 15b are connected to the above-mentioned central processing unit 11, and host information is outputted to it by Printers 16a and 16b if needed.

Furthermore, while the back terminal 17 for OCR input controls is connected, a hard disk drive unit, a floppy disk drive unit, etc. are connected to a central processing unit 11 through a controller (not shown).

[0028] Moreover, the communication servers 19a and 19b are connected to the above-mentioned central processing unit 11 through the multiport transceiver (information input/output terminal rectification control device) 18.

[0029] While the terminals A, B, C, and D for host information I/O are connected, the CPU side OCR 22 is connected to communication server 19a through the OCR control terminal 21.

[0030] Moreover, the manual-input terminals 31a and 31b and the display control terminals 33a and 33b are connected to communication server 19a. The monitor displays 32a and 32b are connected to the above-mentioned manual-input terminals 31a and 31b, and the display units 34a and 34b are connected to the display control terminals 33a and 33b. Moreover, Label Printers 35a and 35b are connected to communication server 19b.

[0031] The host computer constituted as mentioned above is performed on the basis of control of the terminal by the side of a sender, the reception of the shipment information sent from a sender side by the controller for communications controls to access, the dispatch processing of successful bid information to a sender, etc. of a central processing unit 11. Moreover, by the terminal by the side of purchasers, such as goods wholesale and a retailer, and the controller for communications controls to access, while performing dispatch processing of the arrangement shipment information to a purchaser, and reception of the bid registration information from a purchaser, dispatch processing of the successful bid result information to a purchaser etc. is performed on the basis of control of a central processing unit 11. A central processing unit 11 arranges the shipment information sent by the sender, and performs successful bid processing based on the bid registration information from a purchaser.

[0032] Next, overall processing actuation of the automatic \*\*\*\* wholesale auction system applied to this invention with reference to the flow chart of drawing 1 is explained. In wholesale dealings of fresh goods, such as a fresh fish and garden stuff, and life goods, such as live fish and a flowering plant A sender for every item to the shipment preliminary announcement table shown in drawing 2 during shipment that day from six days before a ship date Shipping time, A place of production, a brand (sender

name), a form, a dimension (or weight), quality (or grade), A variety of specification details, such as a base price (with a selling floor price) of wholesale, are listed in a 1-bale close number (or capacity) and a list. This shipment preliminary announcement table is posted to remaining as it is or the shipment information sheet shown in drawing 3 . Facsimile, It transmits to the host computer of a circulation Van system off-line from the terminal into which the software only for systems (processing program) was put as it sent out to a system host side using OCR etc. or was shown in drawing 4 .

[0033] The host computer of this system performs processing shown in drawing 5 based on the above-mentioned input, and performs shipment information edit, criteria price adjustment, offer of goods \*\*\*\* information, auction bid input process, successful bid computer processing, etc. A host computer is equipped with the various files about an automatic successful bid, and acquires the listed item information about 6. sender (according to brand) classification etc. based on shipment information 1. listed day, listed selling partition and \*\*\*\*, 2. terminal password check, and 3. specification exception, 4. grade exception, and 5. base price band exception. Namely, host computers gather the individual information which is sent by the above-mentioned goods producer or the sender and which was subdivided for many specification of every. According to the base price band hierarchized on the multistage story as shown in drawing 6 , moreover, after classifying according to [ which can be dealt with / which is further limited according to Japanese another time zone of a shipment schedule one whole day and night by the transportation duration between a place of production and consumer places, such as the PD area, ] a local band Computer processing which carries out a classification extract is carried out to the ensemble who gathered the every place brand according to the same items, specification, and the same arrival-of-goods day and a time zone, and the optimum dose-sized collection of 1 time of the listed quantity for every item suitable for price formation by the automatic \*\*\*\* auction by communication link is performed into him. Under the present circumstances, the shipment article adjustment display list shown in the display of shipment information and a \*\* list with a thing check and drawing 8 as shown in drawing 7 is displayed, and a shipment article is adjusted.

[0034] On the other hand, a purchasers side, such as goods wholesale and a retailer With the terminal of this system network, hold goods information enquiry, and required information is downloaded and taken in out of it. As shown in the display screen of drawing 9 , the quantity wishing purchase is inputted into the rate of necessity (with the highest purchase price) and list to selection assignment and the base price of a brand for every brand group of the same items, specification, and an arrival-of-goods day and a time zone, and it transmits to the host computer of this system off-line from this terminal.

[0035] As shown in drawing 10 according to the bid information from the above-mentioned purchaser side, a telecommunication bid situation list is expressed as a host computer on a screen. Since it supplements with the lack of information by the side of the purchaser who participates in futures trading, without making an observation judgment of the thing, the circulation main-pipe person (system host) who employs a host computer and does control management of this system shall carry out adjustment actuation of the modification of the rate of the minimum selling price etc. by the host computer at base price band assignment modification of shipment article each, and a list.

[0036] and by the host computer, as shown in bid deadline time-of-day attainment of a purchase application, simultaneously the flow chart of drawing 5 , while automatic computer processing by convention of fixed priority, such as the order of a high price, the order of quantity macrostomia, and the order of arrival, is performed, a successful tenderer, a contract price, and successful bid quantity are determined for every item and the successful bid result list is memorized by an internal sender file and the purchaser file, as shown in drawing 11 , a screen display is carried out.

[0037] A sender side and a purchase proposer can use the successful bid information enquiry sheet shown in drawing 12 , and can know a successful bid result the telecommunications access to a host computer online or off-line by the facsimile or the computer of a terminal.

[0038] Moreover, the above-mentioned successful bid result is notified to a sender and 3 \*\* by the guidance document shown in drawing 13 and drawing 14 . Drawing 13 shows a selling-away report (successful bid information guidance document to a sender), and drawing 14 shows the delivery-of-goods report (successful bid information guidance document to 3 \*\*).

[0039] By excluding evaluation by the thing observation by the side of a purchaser according to the above process, and forming the automatic \*\*\*\* auction by forward communication link bid in the extensive local range, the information dealings commercial scene of a broader-based single can be developed, and both place-of-production producers and consumer place purchasers can realize individual direct delivery of fresh and life goods.

[0040] Furthermore, the detail of the above-mentioned automatic \*\*\*\* wholesale auction system is explained.

[1] After specifying self name, brand, etc., in transition this invention of the producer of the quality evaluation service of the main point (1) fresh and life goods of the fundamental technique of this invention itself, a producer establishes the item of the amount-of-money display which should also be called "class \*\*" which gave concreteness absolute value nature to class, such as giving oneself, does evaluation entry himself, puts on this a purchaser side, and positions as reference-evaluation criteria in the case of \*\*\*\*\* by it. As the following term, in computer processing of the bid in auction, this "class \*\*" is one of the basic factors at the time of determining a successful tenderer, and calls this "a base price (S)."

[0041] It is installation of the new observation evaluation method which made one personality and quality of a producer also including how to take a producer's accountability to permit the producer himself a setup of a base price S independently, although it is conditional [ certain ], even if there is deviation of a some with a market condition.

[0042] (2) The bid setting purchaser side of a purchaser's rate of necessity displays extent of need hope in a communication link input with the ratio to this when \*\*\*\*(ing) the above-mentioned base price S with a numeric value 1. This is called "the rate of necessity (R)." That is, auction is a bid method and P, then the following formula are materialized in a bid price.

$P=RS$  [0043] (3) To the sender expected that it holds self-valuation capacity with shipping the same items continuously more than a constant rate every day [ of the independent decisive power of the base prices S by the side of the detail 1 sender of a setting up function, such as a base price by the side of a sender, / use abbreviation ], and maintenance carrying out uniform stability of quality specification, and a display carrying out [ little ] an extraordinary high price, and the personality which can be trusted, the independence decisive power of a base price S shall be given. Let the ensemble of the sender of this and congener be A group.

[0044] Conversely, a shipment is intermittent, is not fixed, suspends grant of the independence decisive power of a base price S to the sender expected that it is inferior to an opinion list to display the extraordinary price which separated also from the homogeneity of quality rather than the addition price level suitable for a market condition deficiently etc. in respect of personality, and makes the ensemble of the sender of this and congener B group.

[0045] Carrying out to my having two or more sample articles which this B group's sender was random in advance, and were extracted submitted, \*\*\*\*(ing) a base price proposal to a system host side, a system host side assesses a base price S by fair examination.

[0046] Above A and the judgment affiliation to each B car group -- a long period of time -- immobilization -- it is not eternal and what a fixed track record is not accepted in into A group, and the thing which has a conversely fixed track record into B group carry out affiliation conversion mutually at any time.

[0047] 2) Although the convention limits of the rate of the limits (r) are the conditioning which can ask for a halt of sale under with the minimum selling price L at a price when a sender specifies the minimum selling price (L) in fresh and the life goods wholesale market In the case of this system, the numeric value of the minimum selling price L is not specified, but the ratio (r) of the limits L over a base price S is beforehand determined for example, as the 0.8th grade in a host side, and a sender shall announce that beforehand to a sender and shall place. As a formula, it becomes as follows.

$L=rS$  [0048] A group's sender will make an independence decision of the base price S, taking into consideration the minimum selling price L computed.

[0049] Since damage of the individual coverage by the side of senders, such as a commission inventory

carrying cost, occurs in the fall list of quality shortly after fresh and life goods remain unsold, if it should see from a market condition and quality and the excessive comparatively high-priced base price  $S$  should be displayed, the probability that the rate  $r$  of the limits approaches damage generating since it is fixed, and the minimum selling price  $L$  becomes comparatively high-priced and the danger of remainders increases will serve as size.

[0050] When it is going to carry out market-making of the base price  $S$  of an extraordinary high price, the limits'  $L$  interlocking as a function of a base price  $S$  by maintaining this rate  $r$  of the limits at a host side at constant value is that a possibility that remainders may occur serves as size, and it is giving the effectiveness function which inhibits the unjust quantity of a base price  $S$  automatically.

[0051] Moreover, if it sees from a reverse viewpoint, by positive actuation of this  $L$  condition, the price will be beaten down, the brake function to an inclination will be demonstrated, and an opportunity for a possibility by the purchaser at the time of market sudden fall that quality may carry out a sudden drop to resell, by the post-sale during little time amount and a period (for example, afternoon session listing [ in the case of performing listed auction of several days ]) etc. will also be obtained.

[0052] The proper base price  $S$  is responded to \*\*\*\* of a header and a sender, remaining unsold with a market condition and considering the rate  $r$  of the limits for evasion by the same view as self-control of A group sender, also to B group sender, at a host side.

[0053] A base price  $S$  and the rate of the limits have the function which can revise a numeric value downward to a host side at any time for an urgent selling spree, when a market condition carries out a sudden drop and a sign of recovery is not accepted for the time being, and a host side uses this by the contract with a sender.

[0054] (4) The detail purchasers side of a setting up function, such as a rate of necessity by the side of a purchaser, sets up the rate  $R$  of necessity to the base price  $S$  of each item which a sender or a host presents, and what multiplied by these both serves as a bid price  $P$ . Although this rate  $R$  of necessity can carry out a numerical injection without any restriction upwards according to whenever [ need ] on the basis of 1, to a lower part, even the rate  $r$  of the limits by the side of a sender serves as a limitation of an injection. However, also when the rate  $R$  of necessity which is less than the rate  $r$  of the limits is specified, within a system, record remains in memory, and when the rate  $r$  of the limits is lowered to below the rate  $R$  of necessity by the hand by the side of a sender or a host before a sellout, it actualizes, and the rate  $R$  of necessity on memory operates effectively, turns into the rate  $R$  of successful bid necessity within the limits of the rate  $r$  value of the new limits, and conforms to a new situation.

[0055] Thus, it is very important to have what multiplied by these both, after giving the right of evaluation to the sender side, setting up the rate  $R$  of necessity of that proposal base price  $S$  and purchaser side presentation and two factors and giving a respectively original function, and to position in the bid price in the automatic successful bid mechanism by the principle of high price priority.

[0056] A purchaser makes [ while judging both the concrete pricing display about the quality shown as ordinary habitual displays, such as a grade and specification size, and a base price  $S$ , and the humanity accepted from the personality of the sender who performs the self-grading, and an opinion, and ] a bid application by \*\*\*\* communication link to each item, also taking a broader-based market condition into consideration.

[0057] Even when the rate  $R$  of necessity is one or less decimal point, it is supposed that it is effective in the case of the value more than the rate  $r$  of the limits. Prepare a minimum number in purchase application quantity, or a selling unit However, ten pieces, By considering as the mechanism which carrying out promotion limitation shall choose it as fixed plurality, such as 100 etc. pieces, and gives priority to a macrostomia proposer over the order of arrival of an information input when a bid is necessary \*\*\*\*\* the way which is comparatively alike and carries out guarantee implementation of the principle of economy called preferential treatment of the difficult relatively cheap extensive purchase is prepared to a Laspeyres formula when each item is shipped in large quantities in the conventional actual thing wholesale market. When it combines above and the bid input of the rate  $R$  of necessity is carried out further, without putting in a numeric value by entry of only negative (-), it is made to function as what is the range to the rate  $r$  of the limits, and applied for the purchase of all the residues of the same

listed article at a price of length 10% from the tenderer of the lowest rate R of necessity. Even if a difference with the least significant R is less than 10%, also when the rate r of the limits is contacted, suppose that it is the same. This is because it is given by the direction of the reader group which carries out the role of the promotion of formation of the proper rate R of necessity as there is no opportunity of goods acquisition, if the auction participant who is going to purchase at least the minimum of the rate limit of the limits in the neighborhood is eliminated and a petty proposer does not supply the appropriate rate R of necessity as \*\*, though it is the amount small sum of applications.

[0058] Moreover, even if some prices become comparatively high-priced, it is coped with to surely carry out the acquisition request of the specific goods by the purchaser side, and it is forward (plus), and the rate R of necessity shall give rating of the successful bid of the highest priority of the amount of hope at a price of the increase of 10% from the rate tenderer of necessity of the high end, when the bid input of a blank is carried out without putting in a numeric value. In this case, when other rate injection persons of necessity cannot be found about that item, naturally the price of the increase of 10% of a base price S turns into a special buying price by this rate of blank paper necessity.

[0059] However, this blank paper successful tenderer's amount of amount you can buy shall establish the cornering limitation of restricting at one rate or each rate for every item to the amount of whole (less than 2/3 [ for example, ]), and shall plan justice of the appearance from which the benefit of an equal opportunity is obtained to the usual rival bidder's earnest posture, and the whole.

[0060] A purchaser shall also set up the highest-limit price (H) of purchase apart from a setup of the bid price by the injection of the rate R of necessity based on a base price S. This does not consider as a rate but is taken as a concrete price display. This plays the role of the independent brake to the inclination which shall operate as a control function of the highest priority in each conventions, such as the usual rate injection of necessity, or a rate injection of necessity of a blank paper, and overruns recklessly to impulsive high price \*\*\*\* as a purchaser.

[0061] In order that this may consider as the presentation which carried out arrangement integration at the \*\*\*\* rank which classifies the price like the same digit into 21 steps even if it is a different base price S for every brand according to each when bidding for a brand group collectively for every below-mentioned item Since a contract price may increase from an original assumption of a purchase candidate to an average of 6 - 7% on the fraction arrangement to generate, the strongest control function is demonstrated to carry out the maintenance of the strict purchase price.

[0062] (5) mechanism 1 auction of an auction automatic successful bid -- success or failure -- the operation-time band for the successful tenderer decision after a bid cofferdam shall presuppose that an operation program top is impossible for modification correction of four numeric values, the rate r of the limits, a base price S, the rate R of necessity, and the highest purchase price H, and, as for this, the faith top of a commercial transaction is also more unsuitable than the input data environmental \*\*\*\* communication link auction start time on tag operation management. Therefore, a change of the above-mentioned numeric values is not made at all, but it becomes a quiescence situation eternal as a data environment at the time of an operation in the meantime.

[0063] 2) Let priority of a criteria (a) successful bid of successful bid priority decision at a primacy be the order of a high price of the rate R of necessity.

(b) In the case of the rate identitas of necessity, it applies in it, and let it be a macrostomia person's order of quantity.

(c) When application quantity is also the same, consider as the bid reception input order of arrival.

[0064] [2] Put the shipment schedule information on the variety many appearance of the sender (brand) of a majority of optimum dose-sized intensive distributed-processing technical amounts classified by items of presentations for telecommunication auction formation, and a huge amount on the place of telecommunication auction. Give the feeling of fullness which gives each one of tenderers who participate by communication link in actuation processing top optimum dose, and has worth, and an adequate several bid participating staff is secured as a host side. In order to aim at establishment of the price formation function of auction and to realize management of an efficient auction market, it is a very important technical problem to attain rationalization of the whole specification partition and optimum

dose-ization of each partition.

[0065] (1) By the automation same items or form of the brand partition for every item, and brand group collection, it is the same specification and the same base price band (class \*\* rank) (after-mentioned), and if possible, the thing of the same selling unit (capacity or close number) carries out package listing as a group, even if producers (brand) differ. About a sender side, by the consignment of the same items of the same specification of the amount of small talkative, it is easy to compare that delicate difference, and, as for the semantics of this group formation, it can display the much the same thing of the contents by contiguity listing in one screen by grouping while the effectiveness of becoming easy to stop by package at the eye by the side of a purchaser is acquired. Moreover, about a purchaser side, when the contents of each brand group increase quantitatively, while a bid participant also increases and raising a price formation function, minute purchase action of the promotion of efficiency of abundant purchase of a macrostomia candidate, designated-speculative-stocks selection of a petty candidate, etc. is also enabled collectively.

[0066] for this reason, as a successful bid system in a formed group While having the function to make an assignment application of each rate R of necessity and quantity, and to perform the bid according to brand about each brand in a group The amount of applications which enabled the bid application of the quantity which exceeds the listed quantity of the brand to one brand in a group, and did not ask the success or failure of a successful bid of the brand concerned, but became superfluous from the brand again Other brands are made to transfer to order with much listed quantity in a group, and if the rate R of necessity is higher than all other tenderers that compete at a transition place, the priority successful bid of the amount of applications to the transition place brand shall be carried out.

[0067] therefore, the thing for which representation assignment of one of the one brands is carried out among the group, and an application with superfluous quantity is made although it can extract to the unit or two or more designated speculative stocks in a group and can also bid for them -- a group -- the package successful bid of a part or all can also be carried out.

[0068] For the telecommunication bid made without actual thing observation of quality into the main force of decision of the sense of reliability to a brand, this is a processing technique for carrying out coexistence coexistence of the efficient purchase application in case there is a lot of purchase hope efficiently quickly by average thinking irrespective of the difference of the intensive application to the designated speculative stocks of a small sum, and some quality.

[0069] Like the fundamental view of the above-mentioned disposability standard, in addition, as the display screen as a sales article list of brands in a group, or order of an output in the case of a printout It considers as the order of a high price of the rate of successful bid necessity at the time of the last successful bid within this base price band (class \*\* rank), and, in the case of the same number, order with much shipment quantity to the thing of the rate of said and quantity also make it the order of arrival of a shipment information input, and the order of an output of a new brand makes it as the order of quantity macrostomia after an existing appearance brand, and then makes it first-arrival entry sequence. After quantity becomes detailed by this in the middle of on a list, distinction of the old and new brand within a group makes it clear automatically in the place which returns to a macrostomia amount again.

[0070] (2) the evaluation partition of base price band (class \*\* rank) partition quality -- a subject -- in addition, about the above-mentioned base price S which evaluates all detail conventions with influence to a form nominal capacity (close number) equivalence case synthetically, and sets them to it Even if at least the same digit divides the thing of the price numeric-value range of (scaling) into 21 steps of hierarchy ranks in general at comprehensive \*\*\*\*\* class \*\*\*\* at a unit of 10 - 15% order spacing as shown in degree table 1, and they are the same items of the same brand By the synthetic quality partition, it divides into each group belonging to this base price band, and lists separately.

[0071]

[Table 1]

No.	実効数値	1桁	2桁	3桁	No.	実効数値	1桁	2桁	3桁
1	95~104	1.0	10	100	12	325~374	3.5	35	350
2	105~114	1.1	11	110	13	375~424	4.0	40	400
3	115~124	1.2	12	120	14	425~474	4.5	45	450
4	125~139	1.3	13	130	15	475~524	5.0	50	500
5	140~162	1.5	15	150	16	525~574	5.5	55	555
6	163~187	1.7	17	175	17	575~624	6.0	60	600
7	188~212	2.0	20	200	18	625~674	6.5	65	650
8	213~237	2.2	22	225	19	675~749	7.0	70	700
9	238~262	2.5	25	250	20	750~849	8.0	80	800
10	263~287	2.7	27	275	21	850~949	9.0	90	900
11	288~324	3.0	30	300					

[0072] The above-mentioned table 1 is a package listed price rank table, in order that the group of the same items listed by the base price of the approximation range of the same digit counts, such as a single figure, double figures, and triple figures, may be hung on auction as one group by package treatment (also in case of a name of article, a form, specification, a grade, and that of identitas), it makes a partition price band 21 steps, and the digit count of the effective numeric value of a base price S makes it triple figures. This effective numeric value is read as scaling doubled with each digit count. In addition, 1.7 in single figure conversion, 2.2, and 2.7 Although three ranks are the rank range centering on 1.75, 2.25, and 2.75 which originally added 0.05 to these, respectively, they have excluded 0.05 in abbreviated name.

[0073] And, expressing the grade of each item as an objective and concrete numeric value, and the above-mentioned table 1 noticing it about deviation generating with a national market condition from what [, such as \*\* superior C of quality, ] of comparison theory extent are a little subjective and vague, as above-mentioned While \*(ing) to the quality decision by telecommunication bid, it is for putting an aim on raising the auction engine performance which realizes increase of the quantitative fullness nature of the same level group of each item, and price formation by unifying the quality of the approximation range, or the thing of value, and making the amount of presentations profound.

[0074] About the thing of B group sender without self-valuation rating, when a price band must be moved as a result of check of the actual thing, derating change of the price band by the system host side also including the case of a successful tenderer's claim management after purchase can be made.

[0075] (3) Beforehand-izing and at any time [ of the time zone partition 1 supply-and-demand information input of the input of shipment information, and an auction bid input ], the shipment information input to a-izing book system is received six days before [ a shipping date ], and a purchase bid input is received from the day before a shipping date, and suppose that it is possible in dealing in futures trading.

[0076] Moreover, this system enables communication link auction in the 1st at a multiple-times intermittence target. Therefore, a sender's information input shall also carry out that what time [ of that day ] assignment besides the date, and remainders are automatically transferred to the following time. This performs the date, a time, next shipment adjustment to depend at any time, in the whole system, the proper listed item quantity which can demonstrate a bid formation function for every time is accumulated, and the independence adjustment function of the shipment as a commercial scene and items is demonstrated.

[0077] a purchaser -- as futures trading -- the dispatch previous day -- the date and \*\*\*\* -- the elegance of choice is selected freely out of another listed information, and except a host's successful bid processing deadline time zone, since a bid input can be carried out at any time, it will be in the condition that it can conform also to sudden need generating in the daytime.

[0078] 2) From immediately after computer processing, as a database of \*\*\*\*, respond for asking, make a open announcement and each of supply-and-demand both utilize the contract price of auction of instant public presentation each time of market information, quantity, the amount classified by items of

the whole day of total numbers, an average market condition, etc. for grasping [ of an interested person's telecommunications access ] the golden opportunity of dealings.

[0079] 3) In the current technical limitation of telecommunication auction implementation of the bidding up method by contention person passing, simply theoretically as the forum between \*\*\*\* terminal machines of a large number through a communication link host -- the CHIYYATIN gloom of BBS personal computer communications -- preparing -- a contention person's market-making, although it is possible to prepare the place of the auction system which bids up and goes to real time, looking at a situation Since all participants and the communication line of the same number are needed for this, the super-altitude engine performance is required also for the host CPU of dedication. Moreover, even if it uses a satellite communication link network or an ISDN circuit, for example, transmission speed needs much more compaction. In the present condition, it becomes huge [ the business time amount and costs by the side of a purchaser ], and economical actuality is not accepted -- since the rate of data communication and a display is slow, the participating time amount to communication link auction is also prolonged, and traffic also increases. Therefore, since it is the download method of the shipment information by the program only for off-line of this system which is replaced with this, in order to bring this close to the function of the communication link bidding up method of real time, the limited fragmentation of the auction bid input time amount is carried out into fixed time amount, and suppose that auction is formed into many times, and that instant public presentation of the market condition of each time etc. is performed between them.

[0080] this system -- futures trading -- realizing -- moreover, a day -- multiple times -- installation of this time zone partition that divides into a degree and aims at formation of the communication link auction function of a proper auction scale serves as important requirements.

[0081] (4) See from the burden capacity of a fare in the transportation duration list allowed on freshness maintenance or \*\*\*\* of the local band partition fresh and life goods in which supply-and-demand both dealings formation is possible. specifying the range of the local band of the arrival-and-departure 2 point combination set up for every transportation means, such as automobiles, such as less than, and an aircraft, one whole day and night -- carrying out -- this, even if it is the fellow participants in this system, if out of range As impossible, except both assignment between areas with every transportation means, even if the dealings formation between the time constraint tops of the PD can see shipment information, it performs password criteria specification of which a bid input is made impossible.

[0082] If this is seen between [ in all the Japanese-Islands areas for example, in truck facilities ] every place regions, as shown in another drawing 15 , a section code will be set up for every every place band, and the access password which combined between [ of drawing ] the slash appointed areas will take the measure taken against bid input exclusion. In above-mentioned drawing 15 , the mesh-like part according [ a void part ] to the delivery area of following \*\*\*\*\* and a point shows the delivery area of following \*\*\*\*\* , and the shadow area shows the delivery area on the 3rd.

[0083] Although the whole world in a limitation with an airmail network and the two-way communication dealings area network in our country the country can be opened about the high-class goods which bear the large sum fare of aircraft transportation since it is limited between [ convenient / local ] the motor traffics of extent from the circumference of an airport for less than about 1 to 2 hours -- this network regional distribution that can be dealt with -- literally -- the shape of an eye of a network -- everywhere -- traffic -- it becomes the drawing which the hole of an inconvenient part opened, and will be specified.

[0084] The above viewpoint in vast \*\*\*\*\* of the information space for every item of this system which enables formation of the market of the computerized broader-based single While having the function to distribute efficiently over a national consumer place the natural birth article currently mass-produced by remote \*\*\*\*\* infinite The brand and form of the neighboring ground which also promote the orientation in a local area conversely and are by usually habituation \*\*\*\*\* as a more realistic function Dealings are activated at a relatively cheap freight burden, and since the information of a much the same congener article is insufficient, it is effective also as a means to prevent \*\* which carries out the mixture alternating current of between remote places, being accompanied by generating of the useless PD.

Therefore, specifying in a local viewpoint is very important consideration on business about this whole system.

[0085] [3] The bid communication link input from the terminal circuit by the side of the purchaser of the coping with point specification by the side of the important requirements (1) system host of others which are contained in this invention can be made to perform measures, such as momentary reception closing of a password, so that a purchaser's code may be specified at any time and a communication link input may be made impossible. This mainly aims at the selling halt measure implementation to the arrears person of purchase article price.

[0086] (2) Face the compound approved tender to the contiguity specification of many specification of the corresponding-points 1 bid items by the side of a sender and a purchaser. Besides the assignment to a specification rank single about a \*\*\*\* rank, a grade, specification size, \*\*\*\* size, etc. When it is not able to be awarded by the thing of the specification of the first application by condition selection, both vertical both [ one of the two or ] of a rank is systematized so that a bid application may interlock as the second and third supplementary assignment.

[0087] 2) Answer automatically the report successful bid result by the communication link of a successful bid result from a system host on-line to the inquiry by the computer or facsimile of a terminal of a sender and a purchaser. When the communication link reply by this circuit takes long duration, the shipment information input etc. and time amount over communication link auction overlap next time and confusion of a circuit occurs Last time for an inquiry of successful bid result information and a reply A processing unit (CPU) and a hard disk are enlarged and two or more dedicated lines of a considerable number are prepared, or LAN conversion of the information is carried out at the hard disk of a separate processing unit (CPU), and it completely corresponds by the communication line of dedication by making this into a host.

[0088] 3) foundation of an order system -- in the near future depending on the class of goods Registration of the shipment information by the side of the common sender to the natural goods which are also the fundamental composition of this system, In the selling system of the sellers' market-way of thinking called the competitive bid by the side of the purchaser corresponding to it, it becomes unsuitable. Also although it is called natural goods as a way-of-thinking pattern of hard flow, a purchaser side first ordering information For example, it displays on the unspecified producer of a wide area, those who can be shipped through this system host at the online or off-line BBS (notice plate system) of personal computer communications. Carry out an input reply and the information of the delivery-of-goods shipment candidate corresponding to this of the whole country or the whole world which can be delivered is got. In that case, all shipment candidates perform a low price competition order-received bid at a \*\*\*\* price, and a purchaser side selects a brand by balance of the quality decision by the side of a host, and the bid price by the side of a sender. Since it is expected that arrival of the buyer's market age when sell so to speak and the trading system of a bid mold suits is also possible Order / order-received system of the fresh life goods which included the embryo of development to the above-mentioned new system in this system shall be transferred by the processing corresponding to coding automatic of an order order received into a shipment information purchaser communication link bid system.

[0089] [4] In the condition book system of broadening of installation of a futures trading system, and a circulation area When the approach make a presumed judgment of the goods price without observation evaluation of the actual thing, and a purchaser determines his purchase price with the rate of necessity etc. is established as business practice, a producer or a sender at least from six-day before of a ship date by cooperation by the side of a producer further by the previous day If it will enforce strictly carrying out the communication link input of the schedule shipment information at a system host and the package integrated systematization of the shipment schedule information from the whole country or the whole world can be carried out By performing futures information auction before shipment by the purchase candidate of the wide area of the whole country or the whole world, and a system host's making an automatic decision of contract price quantity, the dispatch destination, etc., and notifying this futures successful bid information from a host, on the same day, before shipping to a sender It is materialized

that a place of production to the purchaser of a consumer place delivers directly from the farm using airmail and delivery truck facilities.

[0090] The place which unifies and points to the various requirements for the futures communication link auction implementation included in this invention will be to realize farm-fresh wholesale circulation by the PD of each small sum from the producer of this broader-based scale to the purchaser of a broader-based scale, and, for that, it will be the requisite to carry out generalization management of the futures information before shipment unitary in a wide area. for this reason -- even if it carries out heat insulation, for example -- Shimo of commodity value -- \*\*\*\* -- about the natural food which goes, the life goods which cannot do heat insulation, either Although the time difference of the trade date (information) of futures trading and arrival-of-goods delivery day (PD) which were doubled with the uneasy small transportation time amount (for example, one whole day and night less than etc.) of remarkable deterioration of commodity value which is not will enable a setup of extent one day thru/or the 2nd [ less than ] day if it is until to this extent, a sender and purchaser both expect the thing in which management processing is possible as operating conditions accompanying production and a selling enterprise, and are in strict enforcement of the shipment from one day thru/or two days before, and preparation of bid information and a dispatch input.

[0091]

[Effect of the Invention] As a full account was given above, according to this invention, the effectiveness taken below is acquired.

(1) In the wholesale market of the fresh life goods which have dealt with only the actual thing of the effectiveness former in the local market of system installation, by performing futures trading by this system Not only arrival but on the next day on the day also about an arrival schedule article or a \*\*\*\*\* Japanese arrival schedule article The application of the proposal of shipment or a purchase bid being attained, consequently being able to introduce time difference processing into shipment information, sale, and delivery, and the time shift organization of information and the PD being established by the whole dealings, and avoiding upheaval of a market condition For a sender side, it can become the high selling organization of maintenance-of-prices top stability. For a purchaser side Goods loss of putrefaction deterioration withering to death by overstock or falling dead can be avoided, and the certainty of stocking which can surely obtain the target thing however extensive it may be at the time of the target scheduled day, though it is an auction bid can be secured with the economic earnings which carry out optimum dose acquisition of the minimum required thing.

[0092] (2) Futures trading of effectiveness fresh and life goods of commercial-scene formation of the over-a-very-wide-area unitary management by system installation as a result -- the dealings first thing to do -- a law, since it becomes possible to turn a specific producer's thing to a specific purchaser, and to perform the PD according to individual to the inside of the good quality condition of freshness maintenance and \*\*\*\* on the relation which performs direct delivery from a place of production to a consumer place behind The new trading conditions according to individuals, such as thing increase-in-quantity service of as opposed to a brand assignment price guarantee for example which was not in the conventional business practice for both supply and demand, can be created in micro.

[0093] Moreover, by being the range where a transportation schedule allows such auction dealings in macro, and using the National Expressways truck facilities or airmail Formation of the market of the simplification distribution of information of the whole country and the whole-world range is widely enabled by the limitation of the transportation range. At the place of these vast dealings, activation of a mutual alternating current of both supply and demand is produced, and large-scale rationalization over a very wide area in the wholesale business of fresh life goods in which macrostomia integration of dealings can carry out simultaneous operation coexistence completely with petty individualization can be realized.

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[Translation done.]

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TECHNICAL FIELD

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[Field of the Invention] This invention relates to the automatic \*\*\*\* wholesale auction system by the futures communication link bid of fresh and life goods which realizes the PD of individual direct delivery from a place of production to a consumer place.

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PRIOR ART

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[Description of the Prior Art] A 3 \*\* side is carried, after gathering on schedule and observing the actual thing, conventionally, it is the handling by the wholesale market with which every place are dotted which accomplishes size \*\* of circulation of wholesale dealings of fresh and life goods, and this dealt with only the actual thing in principle, the sender shipped goods so that it might do on schedule [ of auction time ], the commercial-scene side listed this, and usually participated in \*\*\*\*\*.

[0003] In this case, fresh and life goods, such as a fresh fish, garden stuff, live fish, and a flowering plant The so-called natural thing which carries out capture harvest from a nature is also produced in a farm, a culture pond, etc. Since it is easy to be influenced of natural conditions, such as the weather and disaster, unevenness also produces the cultivation culture thing to increase in quality. A grade is divided into many hierarchies. As the method of presentation of this versatility The elegance according to individual appointment, A producer union sorting (so-called \*\*\*\*) article is not asked. For example, \*\*, A, good and C, or a best, 1 grade, 2 grade and 3 grades, \*\*\*\*\* -- only a being [ it / abstract ] and comparison theory-partition accepts as an independent display by the side of a producer conventionally - - having -- \*\*\*\* -- it was only in the situation that it does not pass but grade grading as an objective absolute value can therefore be given after all to the contract price of the \*\*\*\* result based on thing observation evaluation in a purchaser's wholesale market.

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EFFECT OF THE INVENTION

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[Effect of the Invention] As a full account was given above, according to this invention, the effectiveness taken below is acquired.

(1) In the wholesale market of the fresh life goods which have dealt with only the actual thing of the effectiveness former in the local market of system installation, by performing futures trading by this system Not only arrival but on the next day on the day also about an arrival schedule article or a \*\*\*\*\* Japanese arrival schedule article The application of the proposal of shipment or a purchase bid being attained, consequently being able to introduce time difference processing into shipment information, sale, and delivery, and the time shift organization of information and the PD being established by the whole dealings, and avoiding upheaval of a market condition For a sender side, it can become the high selling organization of maintenance-of-prices top stability. For a purchaser side Goods loss of putrefaction deterioration withering to death by overstock or falling dead can be avoided, and the certainty of stocking which can surely obtain the target thing however extensive it may be at the time of the target scheduled day, though it is an auction bid can be secured with the economic earnings which carry out optimum dose acquisition of the minimum required thing.

[0092] (2) Futures trading of effectiveness fresh and life goods of commercial-scene formation of the over-a-very-wide-area unitary management by system installation as a result -- the dealings first thing to do -- a law, since it becomes possible to turn a specific producer's thing to a specific purchaser, and to perform the PD according to individual to the inside of the good quality condition of freshness maintenance and \*\*\*\* on the relation which performs direct delivery from a place of production to a consumer place behind The new trading conditions according to individuals, such as thing increase-in-quantity service of as opposed to a brand assignment price guarantee for example which was not in the conventional business practice for both supply and demand, can be created in micro.

[0093] Moreover, by being the range where a transportation schedule allows such auction dealings in macro, and using the National Expressways truck facilities or airmail Formation of the market of the simplification distribution of information of the whole country and the whole-world range is widely enabled by the limitation of the transportation range. At the place of these vast dealings, activation of a mutual alternating current of both supply and demand is produced, and large-scale rationalization over a very wide area in the wholesale business of fresh life goods in which macrostomia integration of dealings can carry out simultaneous operation coexistence completely with petty individualization can be realized.

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TECHNICAL PROBLEM

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[Problem(s) to be Solved by the Invention] As a result of huge industrialization of retail trade business progressing, suburban place-along-the-route type multi-store expansion of a large-scale mass-marketing retail store etc. in automobile mold society however, in fresh and life goods The charge of one company grows large centering on perishable foods, such as garden stuff and a fresh fish, above all. Futures trading occurs as a matter of fact, and, now, this routinizes reservation of the amount of hope, negotiated transaction-ization of a price, etc. in order to secure the small-sum package in a company, and PD conveyance time amount as a result of the increase of the voice as a customer in the wholesale circulation field -- already -- the time -- dealings -- extensive -- It says that it has lapsed into the situation that indefinite nature is also latent in decision of a reasonable price instead of the condition that the fair price formation by the auction as an original wholesale spot market functions, and is not an overstatement.

[0005] Moreover, as a place-of-production situation, it is based on company rationalization competition of agriculture-and-forestry fishery production business, expansion of the scale of 1 company 1 commercialization progresses, and the level of significance by which management and profit are greatly influenced by the rise and fall of the market condition as a fresh article is increasing sharply.

[0006] For this reason, together with the complicated difficulty of PD allocation of cars, since the risk that support of a price is difficult is high, the large-scale-production person of single items does inclination shipment of the \*\*\*\* to a local small-scale commercial scene to the large-scale commercial scene of a big city, and the inclination to entrust sale in the environment of a stable market condition has been increasing remarkably.

[0007] Although it thinks that the need for large-scale stocking of the above-mentioned large-scale retail chain store etc. has the rationality which agrees with the hope by the side of the producer of this big city large-scale shipment apparently and is a victory, if the post of the large-sized PD from these large-sized shipment to large-sized purchase is taken, the following serious problems have occurred.

[0008] That is, also although it is called the large-scale commercial scene of a big city as a result of not only all the large-scale-production persons of a wide area but the producer of a minor scale wishing shipment in a big city large-scale commercial scene by the same reason and concentrating too much, it becomes an inclination used as a lot of intensive shipment which exceeded the consumer buying power of the quotient category of the original rational transportation cost range you to be Haruka. in order to dispose this of goods and to support a market condition -- a large-scale commercial scene -- everything but a large-sized retailer's members of purchase -- many jobbers -- intervening -- the local minor wholesale market (or macrostomia warehouse) etc. -- receiving -- dealings of a consignment-entrusted mold -- or the dealings which carry out transfer shipment by either of the \*\*\*\*\* attachment dealings have occurred.

[0009] Under the present circumstances, since the transfer time of a day is further added from a big city commercial scene to a long-distance partner, loss of the debasement by the increase of a transportation day is more nearly immense than that the freight burden of one step of addition in the meantime is added to an arrival cost, and it.

[0010] Furthermore, the goods with which a more serious problem than this is transmitted to a district from a big city commercial scene That from which what does not pass through auction listing in a big city commercial scene became the dealings via \*\*\*\* through presentation when nominal-cost sale attachment has been a principle after a commercial-scene side collects a sales commission, or a negotiated transaction Furthermore, since a transfer side will consider profit at the cost price also including a jobber's charge of treatment As a problem of a mutual profit and loss account of dealings between the local markets which receive goods in this with the jobber of a big city commercial scene, if it is nominal-cost purchase of a local market By turning on the local market side which cannot but sell this at auction again, if it is a big city jobber's commission shipment It will be forced the risk-bearing on the respectively very severe profit of the jobber who has a transfer fare and a commission to consignee collected. Moreover, high price selling orientation in the local market for avoiding these both damage serves as management pressure of the district retail store bought in from a local market, and the district consumer made to buy conversely the goods which are whenever [ fresh-keeping ] and fall fairly as compared with a big city at a comparatively high price results in receiving remarkable disadvantageous profit as compared with a big city consumer.

[0011] Moreover, if the purchase price of \*\*\*\* of the big city commercial scene used as the origin of \*\*\*\* dealings of such danger removes the items and season as a complementary as a result of considering slight lowness as it is low It always by the reasonable price which a large-scale-production person makes an aim conjointly also with the ambiguity of the price formation function stripped by prefetch of a large-scale retail company separated from the market condition in a big city commercial scene from the purpose of stable market reservation, and it has also generated the evil of low price inclination continuation.

[0012] All the origins of rise damage generating a district consumer's purchase price are based on existence of the multistage story dealings device in the whole distribution function as it depends and is disadvantageous to the above producers' market drop. namely, the case where it is specifically our country -- person -> agricultural cooperative association from individual life -> -- each -- the fixer of the hierarchy of 6 thru/or eight steps of length intervenes between a producer and a consumer as seen usually [ of an all-prefectures economy ream ->(furthermore or all agricultural cooperative association reams) -> big city wholesale market -> \*\*\*\* -> district minor wholesale market ->(furthermore or wholesaler) -> retail store -> consumer ]. Although it is thought that concentration to a single stage is possible also for an agricultural cooperative association organization, concentration-ization to 1 thru/or about two steps of vertical hierarchies is the technical problem that between a wholesale market part, i.e., an agricultural cooperative association network organization, and retail stores is pressing.

[0013] A problem more serious than this, and serious furthermore, such a circulation situation based on [ present ] big city large-scale commercial scenes Uneconomical mixture transportation is caused for the intensive shipment in a big city large-scale commercial scene from the size place of production of a wide area. the whole country or the vessel from the place of production in the world, and the aircraft -- it calls at a truck above all -- very -- large-scale -- extensive -- contradiction -- to the east a west thing Have generated the east thing as the west and what has the actual PD which became complicated, and this by the case where it is our country About fresh and life goods, see from the urgency of transportation time amount and the large-sized diesel truck serves as a main transportation means altogether. Injury ringleader-situations, such as loss on national economy, such as loss on the economy generated by these useless PD, operation shortage of hands, the danger of a traffic accident, road delay, and an exhaust gas generating public nuisance, and emission of the public nuisance over the earth, have an unfathomable thing. Moreover, the PD to which the large-scale retailer major company carries out intensive stocking from a big city large-scale commercial scene, and carries out delivery in a company to many local retail stores as well as a commercial-scene transfer has a large problem on national economy and prevention of pollution similarly.

[0014] In traffic-related a private sector contractor and an administrative agency, although briskly cried about the switch (modal shift) of transportation on a vessel, a railroad, the aircraft, etc. from truck line In fresh and life goods which need many [ and ] short-time transportation quantitatively, the thing in which

the shift conversion to another engine from present truck line is impossible occupies the mainstream also for many unsuitable things of fresh-keeping facility use, such as refrigeration, too as current technology and transportation business condition after all.

[0015] When considering the above, about fresh and life goods, it is only considered to be the way which solves evasion of damage of this producer and consumer, and the serious social problem by PD complication to carry out adjustment integration of the large-scale circulation dealings which avoid intensive shipment of whenever [ to a big city large-scale commercial scene / current excess ], and are vainly interwoven with each other.

[0016] Offer of the information on all circulation systems that the cause of fundamental of fresh and life goods focusing on whenever [ excess ] in a big city large-scale commercial scene included the market condition of all broader-based circulation, the shipment, etc. in the producer is because it is not carried out insufficiently very much.

[0017] In order that this invention might be made in view of the above-mentioned actual condition and may solve a social national fatal technical problem, While developing the automatic \*\*\*\* auction system by futures trading, aiming at reform by rationalization and computerization of fresh and life goods wholesale dealings and expecting the pull-up of a producer price and the reduction of consumer price by exclusion of the multistage story distribution system It aims at aiming at the direct delivery simplification between the place-of-production-consumer places of the PD, and offering the automatic \*\*\*\* wholesale auction system aiming at the profits increase on national economy and environmental preservation.

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MEANS

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[Means for Solving the Problem] The automatic \*\*\*\* wholesale auction system concerning this invention is set to wholesale dealings of fresh goods and life goods. A sender A means to transmit from a terminal what listed the specification detail corresponding to shipping time, a brand, quality (or grade), and a 1-bale close number (or capacity) which contains the base price corresponding to a hierarchy rank to a list for every item to a system host's computer, After classifying according to the day of a shipment schedule the base price band exception which gathered and hierarchized the individual information which is sent from the above-mentioned terminal side, and which was subdivided for every specification on the multistage story, the above-mentioned system host's computer A means to perform the optimum dose-sized collection for every item which carries out computer processing which carries out a classification extract, and is suitable for price formation by the automatic \*\*\*\* auction by communication link into the ensemble who gathered each brand according to the same items, specification, and the same arrival-of-goods day, A purchaser side takes in required information to a terminal out of the above-mentioned information shown by the above-mentioned system host side. A means to transmit the quantity wishing purchase to the above-mentioned system host's computer at the rate of necessity to selection assignment and the base price of a brand, and a list for every brand group of the same items, specification, and an arrival-of-goods day, In the bid deadline of a purchase application, by the above-mentioned system host's computer Automatic computer processing by convention of fixed priority, such as the order of a high price of the bid price in consideration of the above-mentioned rate of necessity, the order of quantity macrostomia, and the order of arrival, is performed. It is characterized by determining a successful tenderer, a contract price, and successful bid quantity for every item, providing a means to notify the decision result according to the telecommunications access from a sender side and a purchase proposer side, excluding evaluation by the thing observation by the side of a purchaser, and performing automatic \*\*\*\* auction by forward communication link bid.

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OPERATION

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[Function] In the wholesale market of fresh life goods, by performing futures trading by this system, the application of the proposal of shipment or a purchase bid is attained also about an arrival schedule article or a \*\*\*\*\* Japanese arrival schedule article only not only in arrival on the next day, consequently time difference processing can be introduced into shipment information, sale, and delivery on the day. Moreover, the time shift organization of information and the PD being established by the whole dealings, and avoiding upheaval of a market condition, for a sender side, while becoming the high selling organization of maintenance-of-prices top stability, and avoiding goods loss of putrefaction deterioration withering to death by overstock, or falling dead for a purchaser side and being able to carry out the optimum dose acquisition of the minimum required thing, the target thing can surely come to hand at the time of the target scheduled day.

[0020] furthermore, futures trading of fresh and life goods -- as a result -- the dealings first thing to do -- a law -- it becomes possible to turn a specific producer's thing to a specific purchaser, and to perform the PD according to individual to the inside of the good quality condition of freshness maintenance and \*\*\*\* on the relation which performs direct delivery from a place of production to a consumer place behind.

[0021]

[Embodiment of the Invention] Hereafter, 1 operation gestalt of this invention is explained with reference to a drawing. This invention consists of three networks of the circulation main-pipe person (a system host is called) who uses (1), for example, a circulation Van system, employs a host computer, and does control management of this system as it is fresh and the automatic \*\*\*\* wholesale auction system by the futures communication link bid of life goods and is shown in the flow chart of drawing 1, (2) goods producers or the sender who realizes the PD of individual direct delivery to a consumer place from a place of production, and (3) goods wholesale and retailer \*\*. Above-mentioned drawing 1 shows the flow of overall processing of the automatic \*\*\*\* wholesale auction system concerning 1 operation gestalt of this invention.

[0022] A goods producer or a sender joins this system, and transmits shipment information to a host computer through a communication device with a terminal, for example, the personal computer which stored processing programs, such as the processing program of this system, for example, shipment information dispatch processing, and successful bid information reception, in memory beforehand, or transmits shipment information to a system host side using facsimile, OCR, etc., and receives successful bid information from a host computer after that.

[0023] Goods wholesale and a retailer join this system, accesses a system host side through a communication device with a terminal, for example, the personal computer which stored processing programs, such as the processing program of this system, for example, arrangement shipment information reception, bid registration information dispatch processing, and successful bid information reception, in memory beforehand, and performs processing about enquiry of goods information, dispatch of bid registration information, reception of successful bid information, etc.

[0024] The personal computer by the side of the above-mentioned goods producer or a sender (terminal)

and the personal computer by the side of goods wholesale and a retailer (terminal) are constituted by a central processing unit (CPU), a keyboard, an indicating equipment, a printer, various internal memories, the hard disk drive unit, the floppy disk drive unit, the communication device, etc.

[0025] The computer by the side of a system host consists of a central processing unit (CPU), a keyboard, an indicating equipment, a printer, various internal memories, a hard disk drive unit, a floppy disk drive unit, a communication device, etc., and edits the shipment information from a goods producer or a sender according to the processing program of this system beforehand stored in memory, and performs successful bid computer processing according to enquiry of the goods information from goods wholesale and a retailer, a bid, etc., and as shown in drawing 16, it is constituted.

[0026] In drawing 16, 11 is a central processing unit (CPU) and modem 12a, 12b--, and the FAX adapter 13 and the OCR adapters 14a and 14b are connected to this central processing unit 11 through the controller for communications controls (not shown). Above-mentioned modem 12a and 12b-- are connected with the terminal by the side of purchasers, such as goods wholesale and a retailer, through a data telecommunication line at the terminal by the side of senders, such as a goods producer who has joined this system, and a list. FAX (facsimile) is connected to the above-mentioned FAX adapter 13, and OCR (optical reader) is connected to the OCR adapters 14a and 14b.

[0027] Moreover, the error message units 15a and 15b are connected to the above-mentioned central processing unit 11, and host information is outputted to it by Printers 16a and 16b if needed.

Furthermore, while the back terminal 17 for OCR input controls is connected, a hard disk drive unit, a floppy disk drive unit, etc. are connected to a central processing unit 11 through a controller (not shown).

[0028] Moreover, the communication servers 19a and 19b are connected to the above-mentioned central processing unit 11 through the multiport transceiver (information input/output terminal rectification control device) 18.

[0029] While the terminals A, B, C, and D for host information I/O are connected, the CPU side OCR 22 is connected to communication server 19a through the OCR control terminal 21.

[0030] Moreover, the manual-input terminals 31a and 31b and the display control terminals 33a and 33b are connected to communication server 19a. The monitor displays 32a and 32b are connected to the above-mentioned manual-input terminals 31a and 31b, and the display units 34a and 34b are connected to the display control terminals 33a and 33b. Moreover, Label Printers 35a and 35b are connected to communication server 19b.

[0031] The host computer constituted as mentioned above is performed on the basis of control of the terminal by the side of a sender, the reception of the shipment information sent from a sender side by the controller for communications controls to access, the dispatch processing of successful bid information to a sender, etc. of a central processing unit 11. Moreover, by the terminal by the side of purchasers, such as goods wholesale and a retailer, and the controller for communications controls to access, while performing dispatch processing of the arrangement shipment information to a purchaser, and reception of the bid registration information from a purchaser, dispatch processing of the successful bid result information to a purchaser etc. is performed on the basis of control of a central processing unit 11. A central processing unit 11 arranges the shipment information sent by the sender, and performs successful bid processing based on the bid registration information from a purchaser.

[0032] Next, overall processing actuation of the automatic \*\*\*\* wholesale auction system applied to this invention with reference to the flow chart of drawing 1 is explained. In wholesale dealings of fresh goods, such as a fresh fish and garden stuff, and life goods, such as live fish and a flowering plant A sender for every item to the shipment preliminary announcement table shown in drawing 2 during shipment that day from six days before a ship date Shipping time, A place of production, a brand (sender name), a form, a dimension (or weight), quality (or grade), A variety of specification details, such as a base price (with a selling floor price) of wholesale, are listed in a 1-bale close number (or capacity) and a list. This shipment preliminary announcement table is posted to remaining as it is or the shipment information sheet shown in drawing 3. Facsimile, It transmits to the host computer of a circulation Van system off-line from the terminal into which the software only for systems (processing program) was put

as it sent out to a system host side using OCR etc. or was shown in drawing 4 .

[0033] The host computer of this system performs processing shown in drawing 5 based on the above-mentioned input, and performs shipment information edit, criteria price adjustment, offer of goods \*\*\*\* information, auction bid input process, successful bid computer processing, etc. A host computer is equipped with the various files about an automatic successful bid, and acquires the listed item information about 6. sender (according to brand) classification etc. based on shipment information 1. listed day, listed selling partition and \*\*\*\*, 2. terminal password check, and 3. specification exception, 4. grade exception, and 5. base price band exception. Namely, host computers gather the individual information which is sent by the above-mentioned goods producer or the sender and which was subdivided for many specification of every. According to the base price band hierarchized on the multistage story as shown in drawing 6 , moreover, after classifying according to [ which can be dealt with / which is further limited according to Japanese another time zone of a shipment schedule one whole day and night by the transportation duration between a place of production and consumer places, such as the PD area, ] a local band Computer processing which carries out a classification extract is carried out to the ensemble who gathered the every place brand according to the same items, specification, and the same arrival-of-goods day and a time zone, and the optimum dose-sized collection of 1 time of the listed quantity for every item suitable for price formation by the automatic \*\*\*\* auction by communication link is performed into him. Under the present circumstances, the shipment article adjustment display list shown in the display of shipment information and a \*\* list with a thing check and drawing 8 as shown in drawing 7 is displayed, and a shipment article is adjusted.

[0034] On the other hand, a purchasers side, such as goods wholesale and a retailer With the terminal of this system network, hold goods information enquiry, and required information is downloaded and taken in out of it. As shown in the display screen of drawing 9 , the quantity wishing purchase is inputted into the rate of necessity (with the highest purchase price) and list to selection assignment and the base price of a brand for every brand group of the same items, specification, and an arrival-of-goods day and a time zone, and it transmits to the host computer of this system off-line from this terminal.

[0035] As shown in drawing 10 according to the bid information from the above-mentioned purchaser side, a telecommunication bid situation list is expressed as a host computer on a screen. Since it supplements with the lack of information by the side of the purchaser who participates in futures trading, without making an observation judgment of the thing, the circulation main-pipe person (system host) who employs a host computer and does control management of this system shall carry out adjustment actuation of the modification of the rate of the minimum selling price etc. by the host computer at base price band assignment modification of shipment article each, and a list.

[0036] and by the host computer, as shown in bid deadline time-of-day attainment of a purchase application, simultaneously the flow chart of drawing 5 , while automatic computer processing by convention of fixed priority, such as the order of a high price, the order of quantity macrostomia, and the order of arrival, is performed, a successful tenderer, a contract price, and successful bid quantity are determined for every item and the successful bid result list is memorized by an internal sender file and the purchaser file, as shown in drawing 11 , a screen display is carried out.

[0037] A sender side and a purchase proposer can use the successful bid information enquiry sheet shown in drawing 12 , and can know a successful bid result the telecommunications access to a host computer online or off-line by the facsimile or the computer of a terminal.

[0038] Moreover, the above-mentioned successful bid result is notified to a sender and 3 \*\* by the guidance document shown in drawing 13 and drawing 14 . Drawing 13 shows a selling-away report (successful bid information guidance document to a sender), and drawing 14 shows the delivery-of-goods report (successful bid information guidance document to 3 \*\*).

[0039] By excluding evaluation by the thing observation by the side of a purchaser according to the above process, and forming the automatic \*\*\*\* auction by forward communication link bid in the extensive local range, the information dealings commercial scene of a broader-based single can be developed, and both place-of-production producers and consumer place purchasers can realize individual direct delivery of fresh and life goods.

[0040] Furthermore, the detail of the above-mentioned automatic \*\*\*\* wholesale auction system is explained.

[1] After specifying self name, brand, etc., in transition this invention of the producer of the quality evaluation service of the main point (1) fresh and life goods of the fundamental technique of this invention itself, a producer establishes the item of the amount-of-money display which should also be called "class \*\*\*" which gave concreteness absolute value nature to class, such as giving oneself, does evaluation entry himself, puts on this a purchaser side, and positions as reference-evaluation criteria in the case of \*\*\*\*\* by it. As the following term, in computer processing of the bid in auction, this "class \*\*\*" is one of the basic factors at the time of determining a successful tenderer, and calls this "a base price (S)."

[0041] It is installation of the new observation evaluation method which made one personality and quality of a producer also including how to take a producer's accountability to permit the producer himself a setup of a base price S independently, although it is conditional [ certain ], even if there is deviation of a some with a market condition.

[0042] (2) The bid setting purchaser side of a purchaser's rate of necessity displays extent of need hope in a communication link input with the ratio to this when \*\*\*\*(ing) the above-mentioned base price S with a numeric value 1. This is called "the rate of necessity (R)." That is, auction is a bid method and P, then the following formula are materialized in a bid price.

$P=RS$  [0043] (3) To the sender expected that it holds self-valuation capacity with shipping the same items continuously more than a constant rate every day [ of the independent decisive power of the base prices S by the side of the detail 1 sender of a setting up function, such as a base price by the side of a sender, / use abbreviation ], and maintenance carrying out uniform stability of quality specification, and a display carrying out [ little ] an extraordinary high price, and the personality which can be trusted, the independence decisive power of a base price S shall be given. Let the ensemble of the sender of this and congener be A group.

[0044] Conversely, a shipment is intermittent, is not fixed, suspends grant of the independence decisive power of a base price S to the sender expected that it is inferior to an opinion list to display the extraordinary price which separated also from the homogeneity of quality rather than the addition price level suitable for a market condition deficiently etc. in respect of personality, and makes the ensemble of the sender of this and congener B group.

[0045] Carrying out to my having two or more sample articles which this B group's sender was random in advance, and were extracted submitted, \*\*\*\*(ing) a base price proposal to a system host side, a system host side assesses a base price S by fair examination.

[0046] Above A and the judgment affiliation to each B car group -- a long period of time -- immobilization -- it is not eternal and what a fixed track record is not accepted in into A group, and the thing which has a conversely fixed track record into B group carry out affiliation conversion mutually at any time.

[0047] 2) Although the convention limits of the rate of the limits (r) are the conditioning which can ask for a halt of sale under with the minimum selling price L at a price when a sender specifies the minimum selling price (L) in fresh and the life goods wholesale market In the case of this system, the numeric value of the minimum selling price L is not specified, but the ratio (r) of the limits L over a base price S is beforehand determined for example, as the 0.8th grade in a host side, and a sender shall announce that beforehand to a sender and shall place. As a formula, it becomes as follows.

$L=rS$  [0048] A group's sender will make an independence decision of the base price S, taking into consideration the minimum selling price L computed.

[0049] Since damage of the individual coverage by the side of senders, such as a commission inventory carrying cost, occurs in the fall list of quality shortly after fresh and life goods remain unsold, if it should see from a market condition and quality and the excessive comparatively high-priced base price S should be displayed, the probability that the rate r of the limits approaches damage generating since it is fixed, and the minimum selling price L becomes comparatively high-priced and the danger of remainders increases will serve as size.

[0050] When it is going to carry out market-making of the base price  $S$  of an extraordinary high price, the limits'  $L$  interlocking as a function of a base price  $S$  by maintaining this rate  $r$  of the limits at a host side at constant value is that a possibility that remainders may occur serves as size, and it is giving the effectiveness function which inhibits the unjust quantity of a base price  $S$  automatically.

[0051] Moreover, if it sees from a reverse viewpoint, by positive actuation of this  $L$  condition, the price will be beaten down, the brake function to an inclination will be demonstrated, and an opportunity for a possibility by the purchaser at the time of market sudden fall that quality may carry out a sudden drop to resell, by the post-sale during little time amount and a period (for example, afternoon session listing [ in the case of performing listed auction of several days ]) etc. will also be obtained.

[0052] The proper base price  $S$  is responded to \*\*\*\* of a header and a sender, remaining unsold with a market condition and considering the rate  $r$  of the limits for evasion by the same view as self-control of A group sender, also to B group sender, at a host side.

[0053] A base price  $S$  and the rate of the limits have the function which can revise a numeric value downward to a host side at any time for an urgent selling spree, when a market condition carries out a sudden drop and a sign of recovery is not accepted for the time being, and a host side uses this by the contract with a sender.

[0054] (4) The detail purchasers side of a setting up function, such as a rate of necessity by the side of a purchaser, sets up the rate  $R$  of necessity to the base price  $S$  of each item which a sender or a host presents, and what multiplied by these both serves as a bid price  $P$ . Although this rate  $R$  of necessity can carry out a numerical injection without any restriction upwards according to whenever [ need ] on the basis of 1, to a lower part, even the rate  $r$  of the limits by the side of a sender serves as a limitation of an injection. However, also when the rate  $R$  of necessity which is less than the rate  $r$  of the limits is specified, within a system, record remains in memory, and when the rate  $r$  of the limits is lowered to below the rate  $R$  of necessity by the hand by the side of a sender or a host before a sellout, it actualizes, and the rate  $R$  of necessity on memory operates effectively, turns into the rate  $R$  of successful bid necessity within the limits of the rate  $r$  value of the new limits, and conforms to a new situation.

[0055] Thus, it is very important to have what multiplied by these both, after giving the right of evaluation to the sender side, setting up the rate  $R$  of necessity of that proposal base price  $S$  and purchaser side presentation and two factors and giving a respectively original function, and to position in the bid price in the automatic successful bid mechanism by the principle of high price priority.

[0056] A purchaser makes [ while judging both the concrete pricing display about the quality shown as ordinary habitual displays, such as a grade and specification size, and a base price  $S$ , and the humanity accepted from the personality of the sender who performs the self-grading, and an opinion, and ] a bid application by \*\*\*\* communication link to each item, also taking a broader-based market condition into consideration.

[0057] Even when the rate  $R$  of necessity is one or less decimal point, it is supposed that it is effective in the case of the value more than the rate  $r$  of the limits. Prepare a minimum number in purchase application quantity, or a selling unit However, ten pieces, By considering as the mechanism which carrying out promotion limitation shall choose it as fixed plurality, such as 100 etc. pieces, and gives priority to a macrostomia proposer over the order of arrival of an information input when a bid is necessary \*\*\*\*\* the way which is comparatively alike and carries out guarantee implementation of the principle of economy called preferential treatment of the difficult relatively cheap extensive purchase is prepared to a Laspeyres formula when each item is shipped in large quantities in the conventional actual thing wholesale market. When it combines above and the bid input of the rate  $R$  of necessity is carried out further, without putting in a numeric value by entry of only negative (-), it is made to function as what is the range to the rate  $r$  of the limits, and applied for the purchase of all the residues of the same listed article at a price of length 10% from the tenderer of the lowest rate  $R$  of necessity. Even if a difference with the least significant  $R$  is less than 10%, also when the rate  $r$  of the limits is contacted, suppose that it is the same. This is because it is given by the direction of the reader group which carries out the role of the promotion of formation of the proper rate  $R$  of necessity as there is no opportunity of goods acquisition, if the auction participant who is going to purchase at least the minimum of the rate

limit of the limits in the neighborhood is eliminated and a petty proposer does not supply the appropriate rate  $R$  of necessity as \*\*, though it is the amount small sum of applications.

[0058] Moreover, even if some prices become comparatively high-priced, it is coped with to surely carry out the acquisition request of the specific goods by the purchaser side, and it is forward (plus), and the rate  $R$  of necessity shall give rating of the successful bid of the highest priority of the amount of hope at a price of the increase of 10% from the rate tenderer of necessity of the high end, when the bid input of a blank is carried out without putting in a numeric value. In this case, when other rate injection persons of necessity cannot be found about that item, naturally the price of the increase of 10% of a base price  $S$  turns into a special buying price by this rate of blank paper necessity.

[0059] However, this blank paper successful tenderer's amount of amount you can buy shall establish the cornering limitation of restricting at one rate or each rate for every item to the amount of whole (less than  $2/3$  [ for example, ]), and shall plan justice of the appearance from which the benefit of an equal opportunity is obtained to the usual rival bidder's earnest posture, and the whole.

[0060] A purchaser shall also set up the highest-limit price ( $H$ ) of purchase apart from a setup of the bid price by the injection of the rate  $R$  of necessity based on a base price  $S$ . This does not consider as a rate but is taken as a concrete price display. This plays the role of the independent brake to the inclination which shall operate as a control function of the highest priority in each conventions, such as the usual rate injection of necessity, or a rate injection of necessity of a blank paper, and overruns recklessly to impulsive high price \*\*\*\* as a purchaser.

[0061] In order that this may consider as the presentation which carried out arrangement integration at the \*\*\*\* rank which classifies the price like the same digit into 21 steps even if it is a different base price  $S$  for every brand according to each when bidding for a brand group collectively for every below-mentioned item Since a contract price may increase from an original assumption of a purchase candidate to an average of 6 - 7% on the fraction arrangement to generate, the strongest control function is demonstrated to carry out the maintenance of the strict purchase price.

[0062] (5) mechanism 1 auction of an auction automatic successful bid -- success or failure -- the operation-time band for the successful tenderer decision after a bid cofferdam shall presuppose that an operation program top is impossible for modification correction of four numeric values, the rate  $r$  of the limits, a base price  $S$ , the rate  $R$  of necessity, and the highest purchase price  $H$ , and, as for this, the faith top of a commercial transaction is also more unsuitable than the input data environmental \*\*\*\* communication link auction start time on tag operation management. Therefore, a change of the above-mentioned numeric values is not made at all, but it becomes a quiescence situation eternal as a data environment at the time of an operation in the meantime.

[0063] 2) Let priority of a criteria (a) successful bid of successful bid priority decision at a primacy be the order of a high price of the rate  $R$  of necessity.

(b) In the case of the rate identitas of necessity, it applies in it, and let it be a macrostomia person's order of quantity.

(c) When application quantity is also the same, consider as the bid reception input order of arrival.

[0064] [2] Put the shipment schedule information on the variety many appearance of the sender (brand) of a majority of optimum dose-sized intensive distributed-processing technical amounts classified by items of presentations for telecommunication auction formation, and a huge amount on the place of telecommunication auction. Give the feeling of fullness which gives each one of tenderers who participate by communication link in actuation processing top optimum dose, and has worth, and an adequate several bid participating staff is secured as a host side. In order to aim at establishment of the price formation function of auction and to realize management of an efficient auction market, it is a very important technical problem to attain rationalization of the whole specification partition and optimum dose-ization of each partition.

[0065] (1) By the automation same items or form of the brand partition for every item, and brand group collection, it is the same specification and the same base price band (class \*\* rank) (after-mentioned), and if possible, the thing of the same selling unit (capacity or close number) carries out package listing as a group, even if producers (brand) differ. About a sender side, by the consignment of the same items

of the same specification of the amount of small talkative, it is easy to compare that delicate difference, and, as for the semantics of this group formation, it can display the much the same thing of the contents by contiguity listing in one screen by grouping while the effectiveness of becoming easy to stop by package at the eye by the side of a purchaser is acquired. Moreover, about a purchaser side, when the contents of each brand group increase quantitatively, while a bid participant also increases and raising a price formation function, minute purchase action of the promotion of efficiency of abundant purchase of a macrostomia candidate, designated-speculative-stocks selection of a petty candidate, etc. is also enabled collectively.

[0066] for this reason, as a successful bid system in a formed group While having the function to make an assignment application of each rate R of necessity and quantity, and to perform the bid according to brand about each brand in a group The amount of applications which enabled the bid application of the quantity which exceeds the listed quantity of the brand to one brand in a group, and did not ask the success or failure of a successful bid of the brand concerned, but became superfluous from the brand again Other brands are made to transfer to order with much listed quantity in a group, and if the rate R of necessity is higher than all other tenderers that compete at a transition place, the priority successful bid of the amount of applications to the transition place brand shall be carried out.

[0067] therefore, the thing for which representation assignment of one of the one brands is carried out among the group, and an application with superfluous quantity is made although it can extract to the unit or two or more designated speculative stocks in a group and can also bid for them -- a group -- the package successful bid of a part or all can also be carried out.

[0068] For the telecommunication bid made without actual thing observation of quality into the main force of decision of the sense of reliability to a brand, this is a processing technique for carrying out coexistence coexistence of the efficient purchase application in case there is a lot of purchase hope efficiently quickly by average thinking irrespective of the difference of the intensive application to the designated speculative stocks of a small sum, and some quality.

[0069] Like the fundamental view of the above-mentioned disposability standard, in addition, as the display screen as a sales article list of brands in a group, or order of an output in the case of a printout It considers as the order of a high price of the rate of successful bid necessity at the time of the last successful bid within this base price band (class \*\* rank), and, in the case of the same number, order with much shipment quantity to the thing of the rate of said and quantity also make it the order of arrival of a shipment information input, and the order of an output of a new brand makes it as the order of quantity macrostomia after an existing appearance brand, and then makes it first-arrival entry sequence. After quantity becomes detailed by this in the middle of on a list, distinction of the old and new brand within a group makes it clear automatically in the place which returns to a macrostomia amount again.

[0070] (2) the evaluation partition of base price band (class \*\* rank) partition quality -- a subject -- in addition, about the above-mentioned base price S which evaluates all detail conventions with influence to a form nominal capacity (close number) equivalence case synthetically, and sets them to it Even if at least the same digit divides the thing of the price numeric-value range of (scaling) into 21 steps of hierarchy ranks in general at comprehensive \*\*\*\*\* class \*\*\*\* at a unit of 10 - 15% order spacing as shown in degree table 1, and they are the same items of the same brand By the synthetic quality partition, it divides into each group belonging to this base price band, and lists separately.

[0071]

[Table 1]

No.	実効数値	1桁	2桁	3桁	No.	実効数値	1桁	2桁	3桁
1	95~104	1.0	10	100	12	325~374	3.5	35	350
2	105~114	1.1	11	110	13	375~424	4.0	40	400
3	115~124	1.2	12	120	14	425~474	4.5	45	450
4	125~139	1.3	13	130	15	475~524	5.0	50	500
5	140~162	1.5	15	150	16	525~574	5.5	55	555
6	163~187	1.7	17	175	17	575~624	6.0	60	600
7	188~212	2.0	20	200	18	625~674	6.5	65	650
8	213~237	2.2	22	225	19	675~749	7.0	70	700
9	238~262	2.5	25	250	20	750~849	8.0	80	800
10	263~287	2.7	27	275	21	850~949	9.0	90	900
11	288~324	3.0	30	300					

[0072] The above-mentioned table 1 is a package listed price rank table, in order that the group of the same items listed by the base price of the approximation range of the same digit counts, such as a single figure, double figures, and triple figures, may be hung on auction as one group by package treatment (also in case of a name of article, a form, specification, a grade, and that of identitas), it makes a partition price band 21 steps, and the digit count of the effective numeric value of a base price S makes it triple figures. This effective numeric value is read as scaling doubled with each digit count. In addition, 1.7 in single figure conversion, 2.2, and 2.7 Although three ranks are the rank range centering on 1.75, 2.25, and 2.75 which originally added 0.05 to these, respectively, they have excluded 0.05 in abbreviated name.

[0073] And, expressing the grade of each item as an objective and concrete numeric value, and the above-mentioned table 1 noticing it about deviation generating with a national market condition from what [, such as \*\* superior C of quality, ] of comparison theory extent are a little subjective and vague, as above-mentioned While \*(ing) to the quality decision by telecommunication bid, it is for putting an aim on raising the auction engine performance which realizes increase of the quantitative fullness nature of the same level group of each item, and price formation by unifying the quality of the approximation range, or the thing of value, and making the amount of presentations profound.

[0074] About the thing of B group sender without self-valuation rating, when a price band must be moved as a result of check of the actual thing, derating change of the price band by the system host side also including the case of a successful tenderer's claim management after purchase can be made.

[0075] (3) Beforehand-izing and at any time [ of the time zone partition 1 supply-and-demand information input of the input of shipment information, and an auction bid input ], the shipment information input to a-izing book system is received six days before [ a shipping date ], and a purchase bid input is received from the day before a shipping date, and suppose that it is possible in dealing in futures trading.

[0076] Moreover, this system enables communication link auction in the 1st at a multiple-times intermittence target. Therefore, a sender's information input shall also carry out that what time [ of that day ] assignment besides the date, and remainders are automatically transferred to the following time. This performs the date, a time, next shipment adjustment to depend at any time, in the whole system, the proper listed item quantity which can demonstrate a bid formation function for every time is accumulated, and the independence adjustment function of the shipment as a commercial scene and items is demonstrated.

[0077] a purchaser -- as futures trading -- the dispatch previous day -- the date and \*\*\*\* -- the elegance of choice is selected freely out of another listed information, and except a host's successful bid processing deadline time zone, since a bid input can be carried out at any time, it will be in the condition that it can conform also to sudden need generating in the daytime.

[0078] 2) From immediately after computer processing, as a database of \*\*\*\*, respond for asking, make a open announcement and each of supply-and-demand both utilize the contract price of auction of instant public presentation each time of market information, quantity, the amount classified by items of

the whole day of total numbers, an average market condition, etc. for grasping [ of an interested person's telecommunications access ] the golden opportunity of dealings.

[0079] 3) In the current technical limitation of telecommunication auction implementation of the bidding up method by contention person passing, simply theoretically as the forum between \*\*\*\* terminal machines of a large number through a communication link host -- the CHIYYATIN gloom of BBS personal computer communications -- preparing -- a contention person's market-making, although it is possible to prepare the place of the auction system which bids up and goes to real time, looking at a situation Since all participants and the communication line of the same number are needed for this, the super-altitude engine performance is required also for the host CPU of dedication. Moreover, even if it uses a satellite communication link network or an ISDN circuit, for example, transmission speed needs much more compaction. In the present condition, it becomes huge [ the business time amount and costs by the side of a purchaser ], and economical actuality is not accepted -- since the rate of data communication and a display is slow, the participating time amount to communication link auction is also prolonged, and traffic also increases. Therefore, since it is the download method of the shipment information by the program only for off-line of this system which is replaced with this, in order to bring this close to the function of the communication link bidding up method of real time, the limited fragmentation of the auction bid input time amount is carried out into fixed time amount, and suppose that auction is formed into many times, and that instant public presentation of the market condition of each time etc. is performed between them.

[0080] this system -- futures trading -- realizing -- moreover, a day -- multiple times -- installation of this time zone partition that divides into a degree and aims at formation of the communication link auction function of a proper auction scale serves as important requirements.

[0081] (4) See from the burden capacity of a fare in the transportation duration list allowed on freshness maintenance or \*\*\*\* of the local band partition fresh and life goods in which supply-and-demand both dealings formation is possible. specifying the range of the local band of the arrival-and-departure 2 point combination set up for every transportation means, such as automobiles, such as less than, and an aircraft, one whole day and night -- carrying out -- this, even if it is the fellow participants in this system, if out of range As impossible, except both assignment between areas with every transportation means, even if the dealings formation between the time constraint tops of the PD can see shipment information, it performs password criteria specification of which a bid input is made impossible.

[0082] If this is seen between [ in all the Japanese-Islands areas for example, in truck facilities ] every place regions, as shown in another drawing 15 , a section code will be set up for every every place band, and the access password which combined between [ of drawing ] the slash appointed areas will take the measure taken against bid input exclusion. In above-mentioned drawing 15 , the mesh-like part according [ a void part ] to the delivery area of following \*\*\*\*\* and a point shows the delivery area of following \*\*\*\*\* , and the shadow area shows the delivery area on the 3rd.

[0083] Although the whole world in a limitation with an airmail network and the two-way communication dealings area network in our country the country can be opened about the high-class goods which bear the large sum fare of aircraft transportation since it is limited between [ convenient / local ] the motor traffics of extent from the circumference of an airport for less than about 1 to 2 hours -- this network regional distribution that can be dealt with -- literally -- the shape of an eye of a network -- everywhere -- traffic -- it becomes the drawing which the hole of an inconvenient part opened, and will be specified.

[0084] The above viewpoint in vast \*\*\*\*\* of the information space for every item of this system which enables formation of the market of the computerized broader-based single While having the function to distribute efficiently over a national consumer place the natural birth article currently mass-produced by remote \*\*\*\*\* infinite The brand and form of the neighboring ground which also promote the orientation in a local area conversely and are by usually habituation \*\*\*\*\* as a more realistic function Dealings are activated at a relatively cheap freight burden, and since the information of a much the same congener article is insufficient, it is effective also as a means to prevent \*\* which carries out the mixture alternating current of between remote places, being accompanied by generating of the useless PD.

Therefore, specifying in a local viewpoint is very important consideration on business about this whole system.

[0085] [3] The bid communication link input from the terminal circuit by the side of the purchaser of the coping with point specification by the side of the important requirements (1) system host of others which are contained in this invention can be made to perform measures, such as momentary reception closing of a password, so that a purchaser's code may be specified at any time and a communication link input may be made impossible. This mainly aims at the selling halt measure implementation to the arrears person of purchase article price.

[0086] (2) Face the compound approved tender to the contiguity specification of many specification of the corresponding-points 1 bid items by the side of a sender and a purchaser. Besides the assignment to a specification rank single about a \*\*\*\* rank, a grade, specification size, \*\*\*\* size, etc. When it is not able to be awarded by the thing of the specification of the first application by condition selection, both vertical both [ one of the two or ] of a rank is systematized so that a bid application may interlock as the second and third supplementary assignment.

[0087] 2) Answer automatically the report successful bid result by the communication link of a successful bid result from a system host on-line to the inquiry by the computer or facsimile of a terminal of a sender and a purchaser. When the communication link reply by this circuit takes long duration, the shipment information input etc. and time amount over communication link auction overlap next time and confusion of a circuit occurs Last time for an inquiry of successful bid result information and a reply A processing unit (CPU) and a hard disk are enlarged and two or more dedicated lines of a considerable number are prepared, or LAN conversion of the information is carried out at the hard disk of a separate processing unit (CPU), and it completely corresponds by the communication line of dedication by making this into a host.

[0088] 3) foundation of an order system -- in the near future depending on the class of goods Registration of the shipment information by the side of the common sender to the natural goods which are also the fundamental composition of this system, In the selling system of the sellers' market-way of thinking called the competitive bid by the side of the purchaser corresponding to it, it becomes unsuitable. Also although it is called natural goods as a way-of-thinking pattern of hard flow, a purchaser side first ordering information For example, it displays on the unspecified producer of a wide area, those who can be shipped through this system host at the online or off-line BBS (notice plate system) of personal computer communications. Carry out an input reply and the information of the delivery-of-goods shipment candidate corresponding to this of the whole country or the whole world which can be delivered is got. In that case, all shipment candidates perform a low price competition order-received bid at a \*\*\*\* price, and a purchaser side selects a brand by balance of the quality decision by the side of a host, and the bid price by the side of a sender. Since it is expected that arrival of the buyer's market age when sell so to speak and the trading system of a bid mold suits is also possible Order / order-received system of the fresh life goods which included the embryo of development to the above-mentioned new system in this system shall be transferred by the processing corresponding to coding automatic of an order order received into a shipment information purchaser communication link bid system.

[0089] [4] In the condition book system of broadening of installation of a futures trading system, and a circulation area When the approach make a presumed judgment of the goods price without observation evaluation of the actual thing, and a purchaser determines his purchase price with the rate of necessity etc. is established as business practice, a producer or a sender at least from six-day before of a ship date by cooperation by the side of a producer further by the previous day If it will enforce strictly carrying out the communication link input of the schedule shipment information at a system host and the package integrated systematization of the shipment schedule information from the whole country or the whole world can be carried out By performing futures information auction before shipment by the purchase candidate of the wide area of the whole country or the whole world, and a system host's making an automatic decision of contract price quantity, the dispatch destination, etc., and notifying this futures successful bid information from a host, on the same day, before shipping to a sender It is materialized

that a place of production to the purchaser of a consumer place delivers directly from the farm using airmail and delivery truck facilities.

[0090] The place which unifies and points to the various requirements for the futures communication link auction implementation included in this invention will be to realize farm-fresh wholesale circulation by the PD of each small sum from the producer of this broader-based scale to the purchaser of a broader-based scale, and, for that, it will be the requisite to carry out generalization management of the futures information before shipment unitary in a wide area. for this reason -- even if it carries out heat insulation, for example -- Shimo of commodity value -- \*\*\*\* -- about the natural food which goes, the life goods which cannot do heat insulation, either Although the time difference of the trade date (information) of futures trading and arrival-of-goods delivery day (PD) which were doubled with the uneasy small transportation time amount (for example, one whole day and night less than etc.) of remarkable deterioration of commodity value which is not will enable a setup of extent one day thru/or the 2nd [ less than ] day if it is until to this extent, a sender and purchaser both expect the thing in which management processing is possible as operating conditions accompanying production and a selling enterprise, and are in strict enforcement of the shipment from one day thru/or two days before, and preparation of bid information and a dispatch input.

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[Translation done.]

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- 2.\*\*\*\* shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

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DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] It is a flow chart for explaining the automatic \*\*\*\* wholesale auction system concerning 1 operation gestalt of this invention.

[Drawing 2] It is drawing showing the shipment preliminary announcement table for sending shipment information to a system host side.

[Drawing 3] It is drawing showing the shipment information sheet for a facsimile input and optical reading.

[Drawing 4] It is drawing showing the shipment information registration screen of a sender terminal.

[Drawing 5] It is the flow chart which shows the logical system of listed article successful bid information automatic computer processing.

[Drawing 6] It is the flow chart which shows adjustment file judgment of shipment information edit, an extract, and collection processing.

[Drawing 7] It is drawing showing the \*\* list with a shipment information thing check of host computer sides.

[Drawing 8] It is drawing showing the shipment article adjustment display list by the side of a host computer.

[Drawing 9] It is drawing showing the display screen of bid registration upload of a 3 \*\* terminal.

[Drawing 10] It is drawing showing the telecommunication bid situation list of host computer sides.

[Drawing 11] It is drawing showing the remote \*\*\*\* successful bid display list by the side of a host computer.

[Drawing 12] It is drawing showing a sender and the successful bid information enquiry sheet by the side of 3 \*\*.

[Drawing 13] It is drawing showing the selling-away report to a sender.

[Drawing 14] It is drawing showing the delivery-of-goods report to 3 \*\*.

[Drawing 15] It is drawing showing the local band partition in which supply-and-demand both dealings formation is possible.

[Drawing 16] It is the block diagram showing the system configuration concerning 1 operation gestalt of this invention.

[Description of Notations]

11 Central Processing Unit (CPU)

12a, 12b Modem

13 FAX Adapter

14a, 14b OCR adapter

15a, 15b Error message unit

16a, 16b Printer

17 Back Terminal for OCR Input Controls

18 Multiport Transceiver

19a, 19b Communication server

21 OCR Control Terminal  
22 The CPU Side OCR  
31a, 31b Manual-input terminal  
32a, 32b Monitor display  
34a, 34b Display unit  
35a, 35b Label Printer

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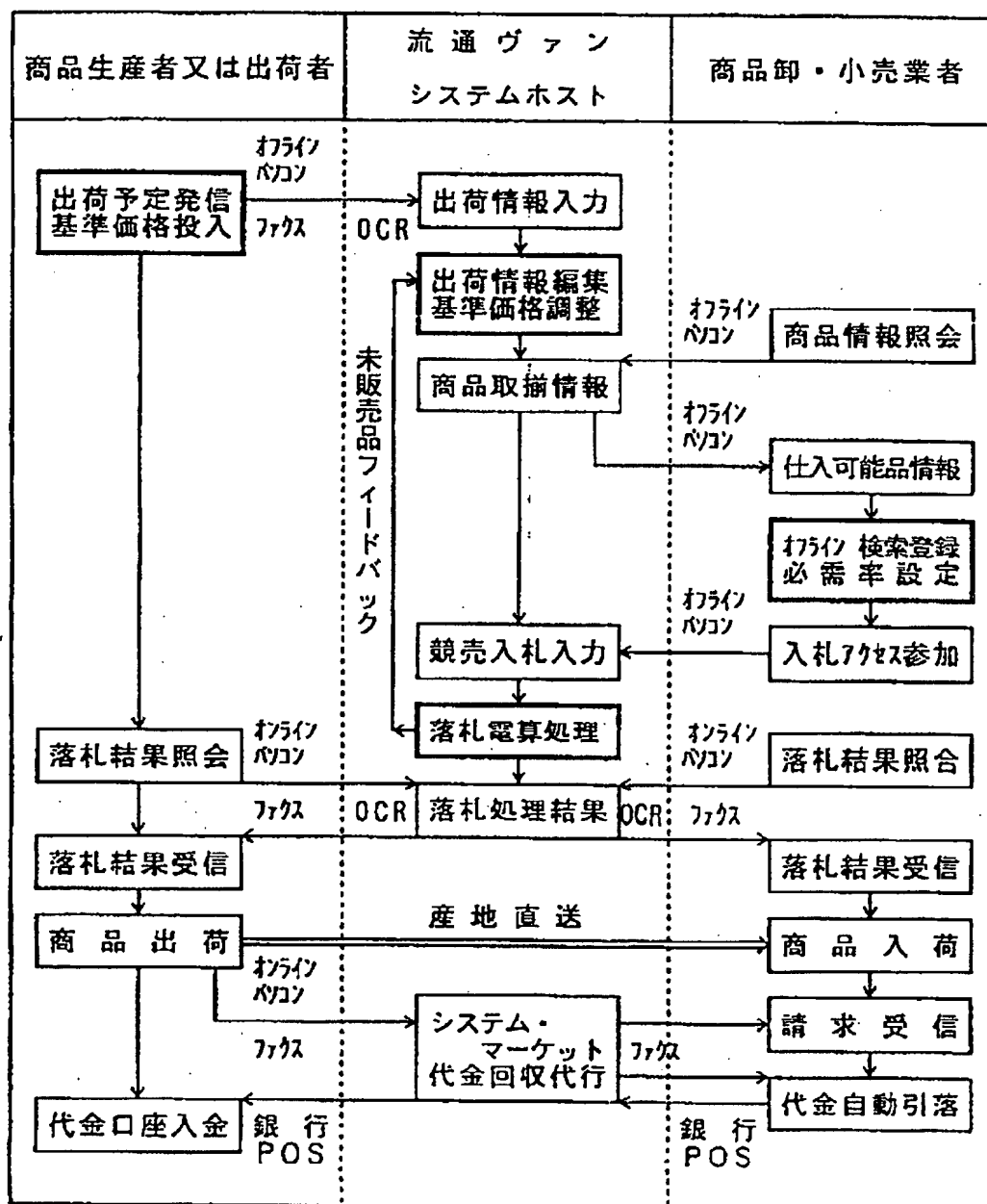
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- 2.\*\*\*\* shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

## DRAWINGS

[Drawing 2]

[illegible]

[Drawing\_1]



[Drawing 3]

出荷情報シート (FAX・OCR) 花だよりVAN

↑

帳票番号:  
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	①品名コード	②規格	③等級	④輪枠	⑤箱値付入数	品名コード・品名
	⑥(本値付)入数	⑦(本値付)箱売数	⑧本売数箱売数	⑨基準価格(値付単位)		
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0	□ □ □ □ □ □ □ □	□ □	□ □	□ □	□ □ □ □ □ □ □ □	品名

手書き文字記入例 1 2 3 4 5 6 7 8 9 0

[Drawing 4]

-VAN-  
 \*\*\* メインメニュー \*\*\*  
 1. 出賃情報 登録  
 2. 注文情報 申込  
 3. 品名 マスター  
 4. 品名 変更  
 番号を入力するか矢印キーで選択して、リターンキーを押して下さい

** 出荷情報登録 **									
出荷年月日 H / /				録 細 包 数					
品名ID	品 名	入数	数量	規格	等級	価 格	単区	販区	注文番号
行削除		前頁	次頁	終了					

** 法文情報協会 **							
品名ID	品 名	規 格	等 級	入 数	希望数	期 間	注文No.

前 頁
後 頁
終了

*** 現品チェック付領リスト ***																	
着荷年月日 H 05/08/30				93/08/30 16:34 P-1													
<==== 出荷名 =====>				<==== 品 名 =====>													
品	番	コード	名 称	コード	名 称	規格	単位	入数	箱数	本数	基準価格	最低価格	注文	区分	現品	入庫	
001320	1599A		菅原永悦	206800	カスミ草					121	本	0	本		0	0	0
001380	1599A		菅原永悦	219600	Sピエルブルファン					10	本	0	本		0	0	0
001340	1599A		菅原永悦	267800	リアトリス					270	本	0	本		0	0	0
001300	1787A		草なぎ恵一	202600	アルケミラモリス					60	本	0	本		0	0	0
001310	1737A		草なぎ恵一	119501	エミール	紺チース				80	本	0	本		0	0	0
001290	1794A		菅原喜寿	105285	ティネケ	白ばら				370	本	0	本		0	0	0
L-S																	
001280	1938A		伊藤農園	204700	エレムラム					70	本	0	本		0	0	0
											入荷件数 束・箱数 本・個数						
最終品番 001340											<合計> 7 0 981						

[http://www4.ipdl.inpit.go.jp/cgi-bin/tran\\_web\\_cgi\\_ejje](http://www4.ipdl.inpit.go.jp/cgi-bin/tran_web_cgi_ejje)

(a)

-VAN-

\*\*\* メインメニュー \*\*\*

1. 入札登録

2. 注文登録

3. 品名マスター

4. 終了

番号を入力するか矢印キーで選択して、リターンキーを押して下さい [ ]

(b)

\*\*\* 注文登録 \*\*\*

申込年月日 H / /

品名CD	品名	規格	等級	入数	希望数	期間	注文No
						~~~~~	

行削除

前頁

次頁

終了

(c)

\*\*\* 入札登録 \*\*\*

競得年月日 H05/06/25

品番	品名	銘柄	入数	数量	規格	等級	標準	基準価格	面係	希望数	必要率	限度価格	必

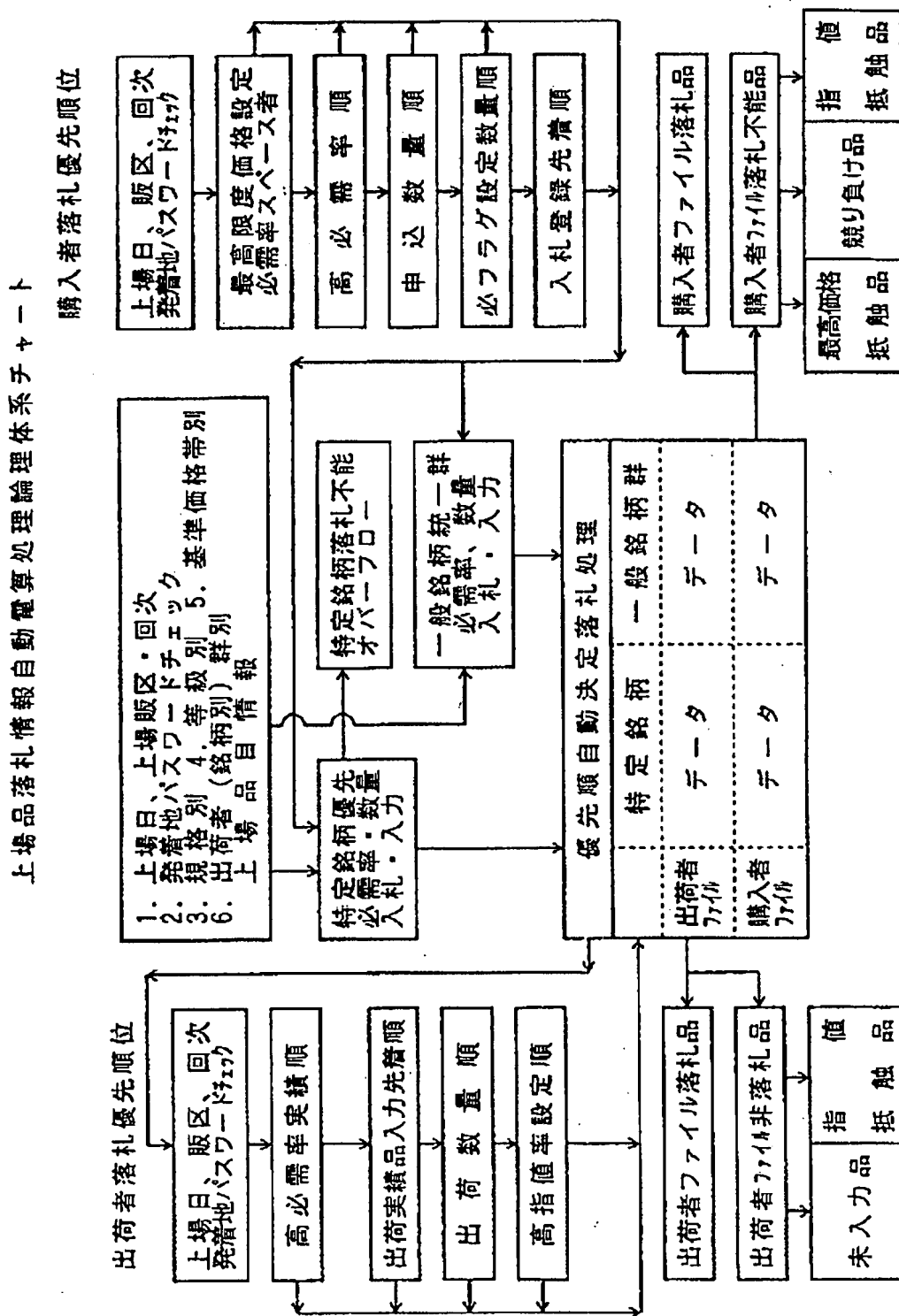
行削除

前頁

次頁

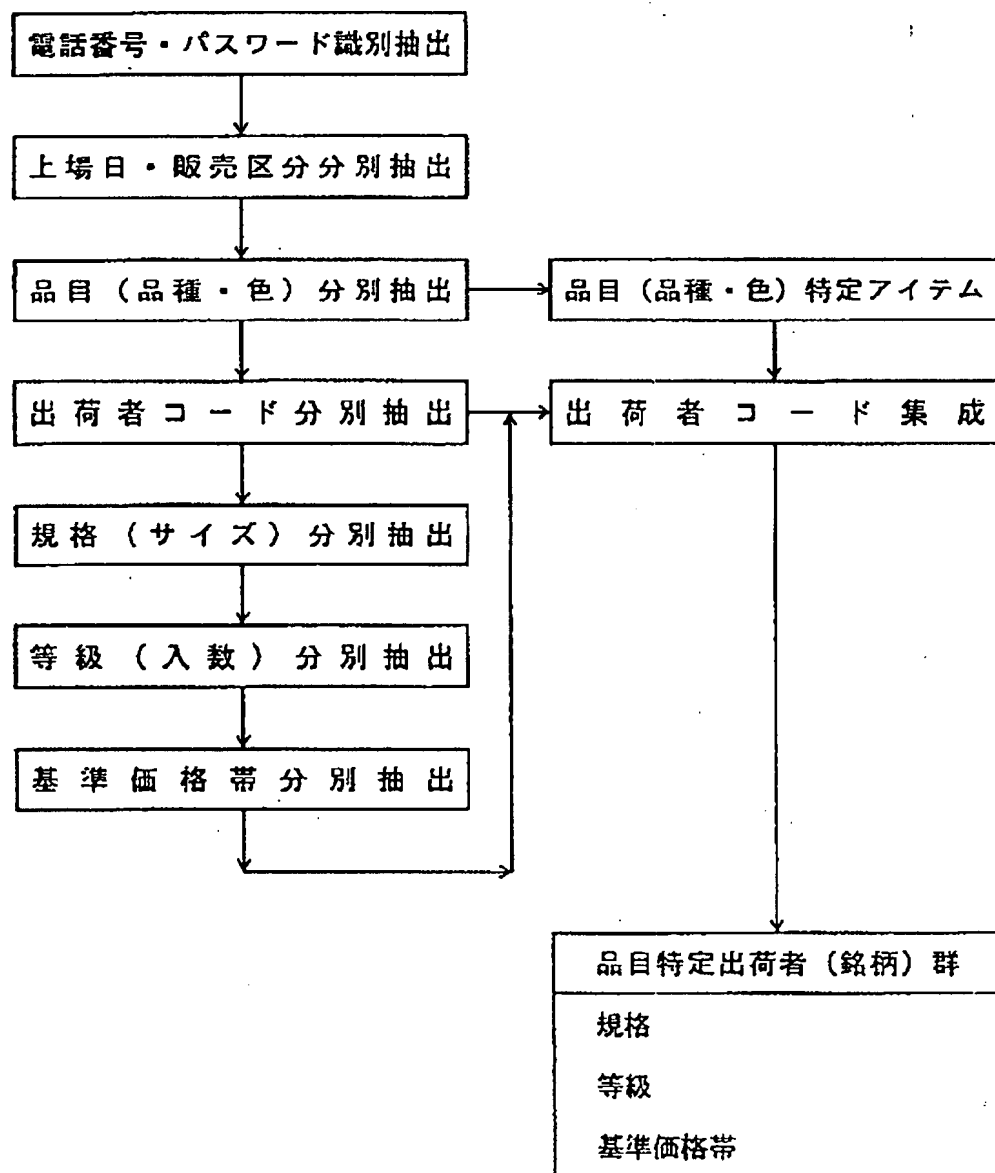
終了

[Drawing 5]



[Drawing 6]

## 出荷上場編集調整ファイル分別、抽出、集成チャート



[Drawing 8]

\*\*\* 出荷品調整表示リスト \*\*\*

93/06/30 16:35 P-1

93/06/30 H 05/06/90

<... 品 名 ...>

品 番	コード	名 称	規 格	等 級	入 数	束・箱数	本・個数	銘 柄	基準価格	最低価格	注文
000300	100117	金 門) 黄 菊					800	南 方	本	本	本
000320	100188	天 天) 黄 菊					700	一 迫	本	本	本
000370	100138	天 天) 黄 菊					500	一 迫	本	本	本
000340	100138	天 天) 黄 菊					200	一 迫	本	本	本
001030	100138	天 天) 黄 菊					200	一 迫	本	本	本
000290	100138	天 天) 黄 菊					200	一 迫	本	本	本
001180	100217	秀 芳) の 力) 白 菊	2L				1300	山 木	本	本	本
000390	102000	ス プ レー	2L				800	山 木	本	本	本
000220	102150	ス プ レー	2L				200	山 木	本	本	本
000780	103000	ス プ レー	2L				1200	山 木	本	本	本
000990	103224	ス プ レー	2L				100	山 木	本	本	本
000990	103383	ス プ レー	2L				100	山 木	本	本	本
000980	103400	ス プ レー	2L				300	山 木	本	本	本
000200	103403	ス プ レー	2L				200	山 木	本	本	本
000770	103403	ス プ レー	2L				60	山 木	本	本	本
000190	103404	ス プ レー	2L				250	山 木	本	本	本
000100	103440	ス プ レー	2L				625	山 木	本	本	本
001000	103481	ス プ レー	2L				400	山 木	本	本	本
000070	103481	ス プ レー	2L				175	山 木	本	本	本
000750	103481	ス プ レー	2L				100	山 木	本	本	本
000080	103900	ス プ レー	2L				85	山 木	本	本	本
000280	105000	ス プ レー	2L				200	山 木	本	本	本
000800	105100	ス プ レー	2L				100	山 木	本	本	本
000790	105119	ス プ レー	2L				80	山 木	本	本	本
000480	105137	ス プ レー	2L				200	山 木	本	本	本
000250	105235	ス プ レー	2L				200	山 木	本	本	本
001280	105235	ス プ レー	2L				370	山 木	本	本	本
000780	105260	ス プ レー	2L				150	山 木	本	本	本
000880	105301	ス プ レー	2L				50	山 木	本	本	本
000840	105352	ス プ レー	2L				50	山 木	本	本	本
000280	105889	ス プ レー	2L				200	山 木	本	本	本

## [Drawing 10]

\*\*\* 遠隔通信入札状況リスト \*\*\*

93/06/30 16:41 P-1

<... 買 入 人 ...> <... 品 名 ...>

注 文	コード	名 称	コード	名 称	規 格	等 級	入 数	希望数	期 間	落 否
***534	13A	有限会社 ダイゴ	100155	松本城) 黄 菊	長 1	1 級	50	10	06/03~07/01	0
***535	13A	有限会社 ダイゴ	100217	秀 芳) の 力) 白 菊	長 1	2 級	100	5	06/10~	0

## [Drawing 11]

\*\*\* 遠隔せり落札結果表示リスト \*\*\*

上場年月日 H 05/05/26

93/05/26 15:41 P-1

<----- 出 荷 者 -----> <----- 品 名 ----->

東・本・買総人

品番	コード	名称	コード	名称	規格	等級	入数	単価	箱数	個数	金額	コード	段区	西次
000900	9989A	仲田園芸	259900	ヘリコニア			50	50	2500	162A	1	1		

## [Drawing 12]

(a)

納品書照会シート					
帳 票 番 号					
4	0	0	0	0	0

納 品 月 日	買 入 人 コード	パ ス ワー ド
・	・	・
・	・	・
・	・	・
・	・	・

手書き文字記入例

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

(b)

販売報告書照会シート

帳 票 番 号					
3	0	0	0	0	0

船 荷 月 日	出荷者コード	パ ス ワー ド
・	・	・
・	・	・
・	・	・
・	・	・

手書き文字記入例

1	2	3	4	5	6	7	8	9	0
---	---	---	---	---	---	---	---	---	---

[Drawing 13]

〒  RPT	納品・請求書 <div style="border: 1px solid black; padding: 2px; text-align: center;">VAN</div> 下記の通り納品・請求申し上げます。	年 月 日	流通情報システム
様 お客様コード TEL FAX	部門 販売 回次		

出荷者 コード	品番	納品 予定日	品種(色) 品名	規格 サイズ	品級	入数	本 価 単価	実 箱 単価	本 価 数	実 箱 数	金額	C/S 数	備考
小計													

今回お買上高	カートン料運賃	今回分請求額

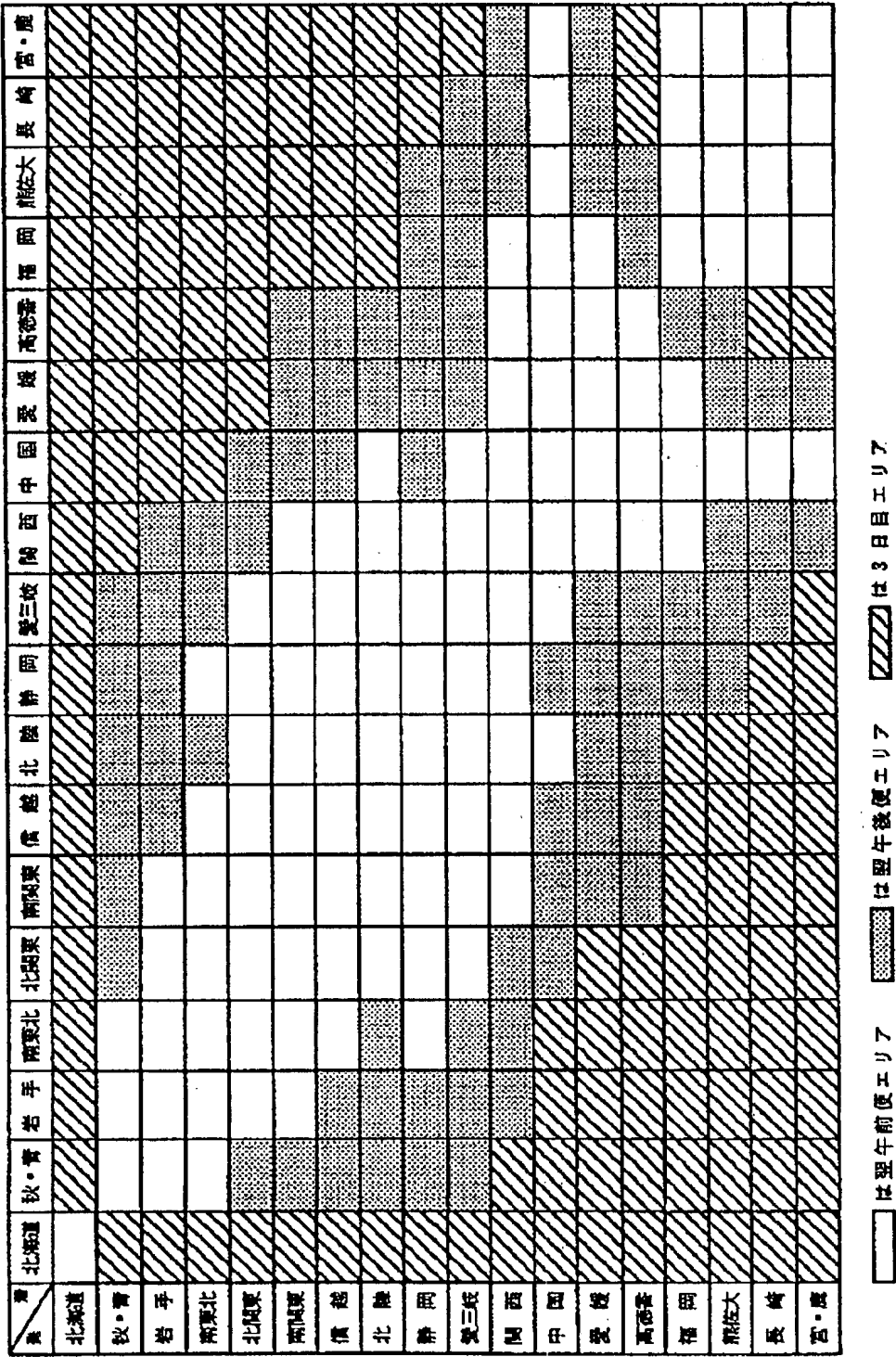
販区コード  
 0:セリー本日本場発送  
 1:座直一先物パソコンセリ座地直送  
 2:通販一現物パソコンセリ本日本場発送  
 3:注文パソコン取引確定座地座直は、本日本場発送  
 回次コード  
 同一の販区の中で、本日の第何回目であるかの表示。

NON
RE
OUT
PUT

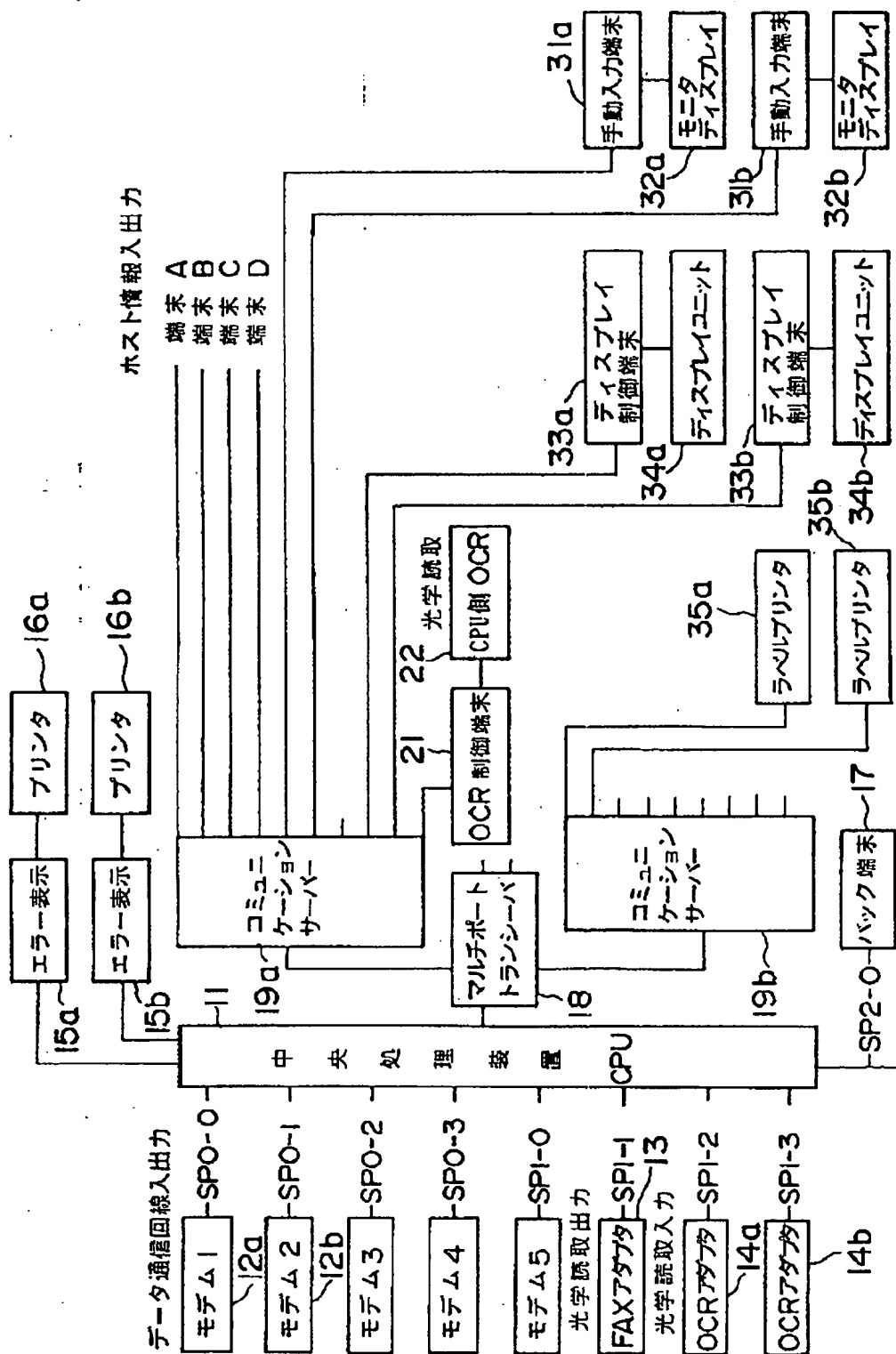
本書は上記の販区・回次のみの分です。別の販区・回次並びに本日の全計は別途に作成されます。

[Drawing 14]

[Drawing 15]



[Drawing 16]



[Translation done.]